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**

- 6 new pathways
- 18 dual enrollment courses articulated with 5 colleges and universities
- AP Capstone Program with the opportunity for students to earn an AP Capstone Diploma

**Appoquinimink School District will offer 30 Career Pathways**

all within one of nine (9) different Schools: The School of Language, Literature, and Human Interaction; The School of Performing and Design Arts; The School of Education and Human Studies; The School of Culinary Arts and Hospitality Management; The School of Science, Technology, Engineering and Mathematics (STEM); The School of Business and Economics; The School of Health Sciences; The School of Agriculture and Natural Resources; and The School of Military and Civic Leadership.

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

**Our program of study for each pathway includes four components:**

1. Four-year, sequential courses related to the pathway, each with rigor and relevance to degree programs using college and career standards.
2. Alignment to secondary institutions (preparing for college).
3. Opportunities for certifications and dual enrollment credits.
4. Connections to careers through internships, technical skills assessment, and off-campus experiences related to the degree program.

The Appoquinimink School District does not discriminate on the basis of race, color, gender, religion, age, disability, marital status, national origin or other legally protected categories in its educational programs, activities, employment, or student admissions policies or practices. Inquiries regarding compliance with the above can be directed to Section 504 Contact Al Volpe, Supervisor of Student Services, Appoquinimink School District, 313 South Fifth Street, PO 4010, Odessa, DE 19730, telephone (302) 376-4111. Responsibilities: To coordinate the Appoquinimink School District’s efforts to comply with the disability discrimination laws. Title IX Contact Matt Fallis, Director of Personnel, Appoquinimink School District, 313 South Fifth Street, PO 4010, Odessa, DE 19730, telephone (302) 376-4275. Responsibilities: To coordinate the Appoquinimink School District’s efforts to comply with and carry out the District’s responsibilities under Title IX, including any investigation of any complaint alleging noncompliance with Title IX or alleging actions which would be prohibited by Title IX.
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GRADUATION REQUIREMENTS

Incoming freshman 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 major that best prepares them for college and career. Make sure student choices are consistent with your abilities and career plans. To ensure that all of our students are college and career ready, Appoquinimink School District requires all students earn a minimum of 26 credits. The number of credits required for graduation is dependent upon the students’ pathway. Program specifics are located on the following pages. Once students have completed their specific program of study, diplomas and high school transcripts will display the student’s school and pathway.

COURSE LEVELS

**College Preparatory Courses (CP)** are designed to provide a rigorous curriculum aligned with state standards and connected to the student’s major. These classes prepare a student for a variety of post-secondary experiences including higher education and/or the workforce.

**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.

**Advanced Placement Courses (AP)** 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 these College Board AP Tests. Successful completion of the course and AP exam translates into college credits for our students. Further information about College Board can be found at 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 exams fees are available for families with financial need.

SCHEDULE

Appoquinimink School District offers eight credit hours per school year, during regular school hours. This gives all students 32 credit opportunities prior to graduation. This allows students to not only complete their selected program of study, but take additional credit hours to enhance their transcript and improve their high school experience, both inside and outside of their “School”. Appoquinimink School District high schools operate on a “four class per day” schedule. Classes are generally 90 minutes each. This schedule allows for an increased academic opportunity, year-long learning experience, and increased instructional time. We encourage our students to maximize the number of opportunities offered at school, both academic and extra-curricular.
AP Capstone

Appoquinimink School District is offering a new program; AP Capstone. AP Capstone™ is a College Board program that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. It cultivates curious, independent, and collaborative scholars and prepares them to make logical, evidence-based decisions.

AP Capstone is comprised of two AP courses — AP Seminar and AP Research. Students typically take AP Seminar in grade 10 or 11, followed by AP Research. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing 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 receive the AP Seminar and Research Certificate™.
DUAL ENROLLMENT AND EARLY COLLEGE
Students have the opportunity to enroll in college level courses and receive college credit. The ASD has partnered with 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 post-secondary institution (pending their requirements and approval). Each year, new courses are added to our list. Check with the guidance department at any time to determine the exact courses offered for dual enrollment.

The Appoquinimink School District is committed to providing options for our students to better prepare them for life beyond high school. To that end, we have committed to several partnerships with accredited institutions to provide post-secondary coursework through dual enrollment. Depending on the institution and the partnership, we will offer college level courses facilitated by our own ASD teachers, as well as some presented by the institution’s faculty. Dual enrollment course delivery varies depending on the partnership - some courses are presented in a face to face setting, others are a hybrid combination of online and face to face classes and still others will meet entirely online.

Our partnering institutions are:

- Delaware State University
- Delaware Technical and Community College
- West Virginia University
- Wesley College
- Wilmington University

SPECIFIC DUAL ENROLLMENT COURSES OFFERED FOR 2017-18 SCHOOL YEAR

- **Trigonometry**
  - Trigonometry

- **Anatomy and Physiology**
  - English 101
  - English 102
  - Psychology
  - Sociology

- **Intermediate French**
- **Intermediate Spanish**
- **Introduction to Political Science**
- **Introduction to Law**
- **Introduction to Criminal Justice**

- **Music 101**
- **Philosophy 100- Introduction to Critical Thinking**
- **Early Childhood Education 214- Creating Environments for Learning**

Appoquinimink School District students may apply for admission into the WVU Early Access program. WVU requires a completed application and for interested students to have a minimum GPA of 3.0 for admission. All courses are taken online through the West Virginia University portal.

- **Public Communication**
- **Introduction to Mass Media**
- **Introduction to Forensic Identification**
- **Engineering Problem Solving**
2017-18 Schools and Pathways

THE SCHOOL OF AGRICULTURE AND NATURAL RESOURCES
• Animal Sciences Pathway
• Natural Resources and Environmental Sciences Pathway
• Plant and Horticultural Sciences Pathway

THE SCHOOL OF BUSINESS AND ECONOMICS
• NAF Academy of Finance Pathway

THE SCHOOL OF CULINARY ARTS AND HOSPITALITY
Culinary Arts and Hospitality Management Pathway

THE SCHOOL OF EDUCATION AND HUMAN STUDIES
• Early Childhood Education Pathway
• K-12 Teacher Academy

THE SCHOOL OF HEALTH SCIENCES
• Allied Health Pathway
• Sports Medicine and Management Pathway

THE SCHOOL OF LANGUAGE, LITERATURE AND HUMAN DEVELOPMENT
• Digital Communication Technology
• English Language Arts Pathway
• Humanities Pathway
• Literature and Creative Writing Pathway
• World and Human Studies Pathway
• World Language & International Studies

THE SCHOOL OF MILITARY AND CIVIC LEADERSHIP
• Life-centered Career Education Pathway
• Jobs for Delaware Graduates Pathway
• Junior Reserve Officer Training Pathway
• Political Science and Legal Issues Pathway

THE SCHOOL OF PERFORMING AND DESIGN ARTS
• Graphic Design Pathway
• Music Pathway
• Photography Pathway
• Textiles and Clothing Pathway
• Theatre Arts Pathway
• Visual Arts Pathway

THE SCHOOL OF SCIENCE, TECHNOLOGY, ENGINEERING AND MATH
• Computer Science Pathway (PLTW)
• Engineering Pathway (PLTW)
• Forensics Pathway
• Mathematics Pathway
• Science Pathway
PATHWAY HIGHLIGHTS
- Animal Science I-IV
- Ag Practicum
- DE State Fair Activities
- SAE Completion

FUTURE CAREERS:
- Animal Researcher
- Breed Analyst
- Horse Breeder
- Veterinarian
- Wildlife Manager
- Zoo Animal Specialist
- Animal Rescue
- Farmer

SUMMARY OF PATHWAY

The Animal Science Career and Technical Education (CTE) Pathway focuses primarily on livestock animals, dogs and cats, providing instruction on general health care, emergency responses, and nutrition. Using materials from veterinary technician degree programs and animal production sources, this pathway provides students with a strong background in the medical field by covering topics such as sutures, bandaging, medicating, and physical exams. Students will get an understanding of industry standards in animal agriculture production and consumption. Students will work with live animals to learn handling, restraint and medical techniques. Students are taught how to evaluate animals for normal and abnormal behavior, illness, and desirable conformation. They are taught to treat diseases after consulting with a veterinarian by covering topics which include bacteriology, immunology, and physiology. Students will have some direct access to live animals to practice protocols and health procedures.
# ANIMAL SCIENCE PATHWAY REQUIREMENTS

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
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<tbody>
<tr>
<td><strong>English:</strong> 4 credits</td>
<td>English I</td>
<td>English II</td>
<td>Choose two:</td>
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<td>English III</td>
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<td>English IV British Literature</td>
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<td></td>
<td>English IV American/British Gothic</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>English IV Themes in Literature</td>
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<td></td>
<td></td>
<td></td>
<td>AP Language and Composition</td>
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<td></td>
<td></td>
<td></td>
<td>AP Literature and Composition</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>English 101/102</td>
</tr>
<tr>
<td><strong>Mathematics:</strong> 4 credits</td>
<td>Take all sequentially</td>
<td>Integrated Math I</td>
<td>Choose two:</td>
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<tr>
<td></td>
<td>Integrated Math II</td>
<td></td>
<td>Integrated Math III</td>
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<td></td>
<td>Integrated Math IV</td>
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<td></td>
<td>Statistics and Probability</td>
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<td>Advanced Algebra with Financial Applications</td>
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<td>Honors Calculus</td>
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<td></td>
<td>AP Statistics</td>
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<td>AP Calculus AB</td>
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<td></td>
<td>AP Calculus BC</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Trigonometry</td>
</tr>
<tr>
<td><strong>Science:</strong> 4 credits</td>
<td>Choose one:</td>
<td>Biology I</td>
<td>Choose two credits:</td>
</tr>
<tr>
<td></td>
<td>Earth and Space Science</td>
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<td>Biology II</td>
</tr>
<tr>
<td></td>
<td>Science I</td>
<td></td>
<td>AP Biology</td>
</tr>
<tr>
<td></td>
<td>Chemistry I</td>
<td></td>
<td>Earth and Space Science I</td>
</tr>
<tr>
<td></td>
<td>Physics I</td>
<td></td>
<td>Earth and Space Science II</td>
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<td></td>
<td>Ecology</td>
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<td>Environmental Science</td>
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<td>Chemistry I</td>
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<td>Chemistry II</td>
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<td>Physics I</td>
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<td>Anatomy and Physiology I</td>
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<td></td>
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<td></td>
<td>Anatomy and Physiology II Honors</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>AP Environmental Science</td>
</tr>
<tr>
<td><strong>Social Studies:</strong> 4 credits</td>
<td>Choose one:</td>
<td>Choose one:</td>
<td>Choose one:</td>
</tr>
<tr>
<td></td>
<td>World Studies</td>
<td>Civics and Economics</td>
<td>Contemporary Global Issues</td>
</tr>
<tr>
<td></td>
<td>AP Human Geography</td>
<td>AP Microeconomics</td>
<td>Psychology</td>
</tr>
<tr>
<td><strong>Health:</strong> 0.5 credits</td>
<td>Health</td>
<td></td>
<td>AP Psychology</td>
</tr>
<tr>
<td><strong>Physical Education:</strong> 1 credit</td>
<td>Physical Education</td>
<td></td>
<td>Psychology</td>
</tr>
<tr>
<td><strong>World Language:</strong> 2 credits</td>
<td>World Language I-II</td>
<td></td>
<td>Psychology</td>
</tr>
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<td></td>
<td></td>
<td>Psychology</td>
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<td></td>
<td></td>
<td>AP World History</td>
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<td></td>
<td></td>
<td>Sociology</td>
</tr>
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<td></td>
<td></td>
<td></td>
<td>Sociology</td>
</tr>
<tr>
<td><strong>Pathway Requirement:</strong> 5 credits</td>
<td>Animal Science I</td>
<td>Animal Science II</td>
<td>Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion.</td>
</tr>
<tr>
<td>minimum</td>
<td></td>
<td>Animal Science III</td>
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<td></td>
<td>Animal Science IV†</td>
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<tr>
<td><strong>SAE Completion</strong></td>
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<tr>
<td><strong>SSP:</strong> 0.5 or more credits</td>
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<tr>
<td><strong>Electives:</strong> 3.5 credits minimum</td>
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<tr>
<td>Students must earn at least 3.5 additional credits to complete this pathway.</td>
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</tbody>
</table>

1 Students are required to take a Math course in their Senior Year.
2 One of which must be U.S. History.
3 The University of Delaware requires two World Language credits of the same language, but also recommends four.
4 This course is a dual enrollment course.

† = Capstone course
Natural Resources and Environmental Sciences Pathway

PATHWAY HIGHLIGHTS
• Natural Resources/Environmental Science I-IV
• Delaware State Fair Activities
• SAE Completion

FUTURE CAREERS:
• Arborist
• Environmental Specialist
• Game Warden
• Restoration Specialist
• Systems Ecologist
• Wildlife Manager

PATHWAY CREDITS
• This pathway is a minimum of 27 credits.
• An expectation for this pathway is that students sit for the AP exam in any AP course taken.
• Students in the pathway may earn industry-recognized certification/licenses.

SUMMARY OF PATHWAY
The Natural Resources and Environmental Sciences Career and Technical Education (CTE) pathway is structured to introduce students to a wide range of renewable natural resources (soils, water, vegetation, wildlife, recreation), while maintaining substantial flexibility for student-centered learning in understanding and managing natural systems. It is based on a vision that combines professional competency in management skills with a strong foundation in the social and biophysical sciences. Students interested in Natural Resources are typically drawn to natural settings and environments, enjoy nature, and want to develop the professional knowledge and skills needed to conserve, steward, and manage natural resources and the environment. The continuation of the pathway provides a wide variety of opportunities to meet student needs while utilizing hands-on learning experiences. Experiential opportunities such as internships, externships, and job shadowing with natural resource-based organizations in the business, public, and non-profit sectors provide additional hands-on experiences in the final year of study.
### Natural Resources & Environmental Sciences Pathway Requirements

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
</table>
| **English:** 4 credits | English I | English II | Choose two:  
|  |  |  | English III  
|  |  |  | English IV British Literature  
|  |  |  | English IV American/British Gothic  
|  |  |  | English IV Themes in Literature  
|  |  |  | AP Language and Composition  
|  |  |  | AP Literature and Composition  
|  |  |  | *English 101/102*†  
| **Mathematics:** 4 credits¹ | Take all sequentially  
|  | Integrated Math I  
|  | Integrated Math II | Choose two:  
|  |  |  | Integrated Math III  
|  |  |  | Integrated Math IV  
|  |  |  | Statistics and Probability  
|  |  |  | Advanced Algebra with Financial Applications  
|  |  |  | Honors Calculus  
|  |  |  | AP Statistics  
|  |  |  | AP Calculus AB  
|  |  |  | AP Calculus BC  
|  |  |  | *Trigonometry*  
| **Science:** 4 credits | Choose one:  
|  | Earth and Space  
|  | Science I  
|  | Chemistry I  
|  | Physics I | Biology I | Choose two credits:  
|  |  |  | Biology II  
|  |  |  | AP Biology  
|  |  |  | Earth and Space Science I  
|  |  |  | Earth and Space Science II  
|  |  |  | Ecology  
|  |  |  | Environmental Science  
|  |  |  | Chemistry I  
|  |  |  | Chemistry II  
|  |  |  | Physics I  
|  |  |  | Anatomy and Physiology I  
|  |  |  | Anatomy and Physiology II Honors  
|  |  |  | AP Environmental Science  
| **Social Studies:** 3 credits² | Choose one:  
|  | World Studies  
|  | AP Human Geography | Choose one:  
|  |  |  | Civics and Economics  
|  |  |  | AP Microeconomics | Choose one:  
|  |  |  | US History  
|  |  |  | AP US History  
| **Health:** 0.5 credits | Health |  |  
| **Physical Education:** 1 credit | Physical Education |  |  
| **World Language:** 2 credits³ | World Language I-II |  |  
| **Pathway Requirement:** 5 credits minimum | Natural Resources/Environmental Science I | Natural Resources/Environmental Science II | Natural Resources/Environmental Science III | Natural Resources/Environmental Science IV†  
| **Pathway Completion:** | SAE Completion |  |  
| **SSP:** 0.5 or more credits | Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion. |  |  
| **Electives:** 3 credits minimum | Students must earn at least 3 additional credits to complete this pathway. |  |  

¹ = Capstone course

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1. Students are required to take a Math course in their Senior Year.
2. One of which must be U.S. History.
3. The University of Delaware requires two World Language credits of the same language, but also recommends four.
4. This course is a dual enrollment course.
PATHWAY HIGHLIGHTS

• Plant and Horticultural Science I
• Horticultural Science II-IV
• Ag Practicum
• SAE Completion

SUMMARY OF PATHWAY

The Plant and Horticultural Sciences Career and Technical Education (CTE) pathway encourages students to study the production of plants while developing an understanding of one of the largest employment sectors. Areas of study include: soils, hydroponics, plant anatomy and physiology, taxonomy, growing environments, sexual reproduction, asexual reproduction, insects and diseases, and production & marketing. The major focus of the pathway is to expose students to the world of agriculture, plant science, and career options.

FUTURE CAREERS:

• Botanist
• Conservationist
• Ecologist
• Environmental Scientist
• Forester
• Plant Geneticist

PATHWAY CREDITS

• This pathway is a minimum of 27 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.
# PLANT SCIENCE PATHWAY REQUIREMENTS

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English:</strong> 4 credits</td>
<td>English I</td>
<td>English II</td>
<td>Choose two: English III, English IV British Literature, English IV American/British Gothic, English IV Themes in Literature, AP Language and Composition, AP Literature and Composition, English 101/102†</td>
</tr>
</tbody>
</table>


| **Science:** 4 credits | Choose one: Earth and Space Science I, Chemistry I, Physics I | Biology I | Choose two credits: Biology II, AP Biology, Earth and Space Science I, Earth and Space Science II, Ecology, Environmental Science, Chemistry I, Chemistry II, Physics I, Anatomy and Physiology I, Anatomy and Physiology II Honors, AP Environmental Science |

| **Social Studies:** 3 credits² | Choose one: World Studies, AP Human Geography | Choose one: Civics and Economics, AP Microeconomics | Choose one: US History, AP US History |

| **Health:** 0.5 credits | Health |  |
| **Physical Education:** 1 credit | Physical Education |  |

| **World Language:** 2 credits³ | World Language I-II |  |

| **Pathway Requirement:** 5 credits minimum | Plant and Horticultural Science I, Plant and Horticultural Science II, Plant and Horticultural Science III, Plant and Horticultural Science IV† |  |

| **SAE Completion** |  |

| **SSP:** 0.5 or more credits | Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion. |  |

| **Electives:** 3 credits minimum | Students must earn at least 3 additional credits to complete this Pathway. |  |

† Capstone course

---

1 Students are required to take a Math course in their Senior Year.
2 One of which must be U.S. History.
3 The University of Delaware requires two World Language credits of the same language, but also recommends four.
4 This course is a dual enrollment course.
NAF Academy of Finance Pathway

PATHWAY HIGHLIGHTS
• Fundamentals of Finance
• Principles of Accounting
• Financial Services
• AP Economics

FUTURE CAREERS:
• Accountant
• Budget Analyst
• Certified Public Accountant
• Financial Analyst
• Loan Officer
• Payroll Technician
• Personal Finance Advisor
• Tax Preparer

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 participating in this pathway may earn NAFTrack Certification.

SUMMARY OF PATHWAY
The National Academy Foundation’s (NAF) Academy of Finance (AOF) program of study is a four (4) course Career and Technical Education (CTE) program that engages students with the world of financial services by focusing on banking and credit, financial planning, accounting, and insurance. Students gain career knowledge through a series of work-based learning activities that are conducted in school and outside of the classroom, and a summer internship. Completion of the program is validated with NAFTrack Certification, NAF’s student certification assessment system.
# NAF Academy of Finance Pathway Requirements

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
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</thead>
<tbody>
<tr>
<td><strong>English:</strong> 4 credits</td>
<td>English I</td>
<td>English II</td>
<td>Choose two: English III English IV British Literature English IV American/British Gothic English IV Themes in Literature AP Language and Composition AP Literature and Composition English 101/102&lt;br&gt;&lt;br&gt;<strong>Mathematics:</strong> 4 credits&lt;sup&gt;1&lt;/sup&gt;</td>
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<tr>
<td><strong>Health:</strong> 0.5 credits</td>
<td>Health</td>
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<tr>
<td><strong>Physical Education:</strong> 1 credit</td>
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<tr>
<td><strong>World Language:</strong> 4 credits&lt;sup&gt;3&lt;/sup&gt;</td>
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<tr>
<td><strong>Pathway Requirement:</strong> 4.5 credits minimum</td>
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<tr>
<td><strong>SSP:</strong> 0.5 or more credits</td>
<td>Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion.</td>
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<tr>
<td><strong>Electives:</strong> 3.5 credits minimum</td>
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</tbody>
</table>

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1 Students are required to take a Math course in their Senior Year.
2 One of which must be U.S. History.
3 The University of Delaware requires two World Language credits of the same language, but also recommends four.
4 This course is a dual enrollment course.
PATHWAY HIGHLIGHTS
• Fundamentals of Culinary Arts and Hospitality Management
• Advanced Food Production Hospitality Management
• The Culinary & Hospitality Profession

SUMMARY OF PATHWAY
The Culinary and Hospitality Management program of study is a four (4) course Career and Technical Education (CTE) program that 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 CTE program 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.

PATHWAY CREDITS
• This pathway is a minimum of 27 credits.
• An expectation for this pathway is that students sit for the AP exam in any AP course taken.
• Students participating in this pathway may earn industry-recognized certifications/licenses:
  » National Restaurant Association Certificate of Achievement
  » ServSafe Manager Certification
  » CPR/First Aid/AED Certification

FUTURE CAREERS:
• Dietitian
• Event Manager
• Executive Chef
• Sous Chef
• Food Service Manager
• Kitchen Manager
• Line Cook
• Research & Development Chef
• Nutritionist
The following is a suggested sequence of courses required to successfully complete this pathway.

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<th></th>
<th>GRADE 9</th>
<th>GRADE 10</th>
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<td><strong>English:</strong></td>
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<td>English IV British Literature</td>
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<td>English IV American/British Gothic</td>
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<td>English IV Themes in Literature</td>
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<td>AP Literature and Composition</td>
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<td></td>
<td><em>English 101/102</em>†</td>
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<td>Choose two:</td>
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<td>Integrated Math I</td>
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<td>Integrated Math III</td>
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<td>Statistics and Probability</td>
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<td>Advanced Algebra with Financial Applications</td>
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<td>AP Calculus BC</td>
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<td></td>
<td><em>Trigonometry</em>†</td>
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<td>Choose two credits:</td>
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<td>Earth and Space</td>
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<td>Biology II</td>
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<td>Science I</td>
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<td>AP Biology</td>
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<td>Chemistry I</td>
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<td>Earth and Space Science I</td>
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<td>Physics I</td>
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<td>Earth and Space Science II</td>
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<td>Ecology</td>
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<td>Environmental Science</td>
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<td>Chemistry I</td>
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<td>Physics I</td>
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<td>Anatomy and Physiology I</td>
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<td>Anatomy and Physiology II Honors</td>
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<td>AP Environmental Science</td>
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<tr>
<td><strong>Social Studies:</strong></td>
<td>Choose one:</td>
<td>Choose one:</td>
<td>Choose one:</td>
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<td></td>
<td>World Studies</td>
<td>Civics and Economics</td>
<td>US History</td>
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<td></td>
<td>AP Human Geography</td>
<td>AP Microeconomics</td>
<td>AP US History</td>
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<td><strong>Health:</strong></td>
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<td><strong>Physical Education:</strong></td>
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<tr>
<td><strong>World Language:</strong></td>
<td>World Language I-II</td>
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<tr>
<td><strong>Pathway Requirement:</strong></td>
<td>Fundamentals of</td>
<td>Advanced Food</td>
<td>The Culinary &amp;</td>
<td>Culinary Arts</td>
</tr>
<tr>
<td></td>
<td>4.5 credits minimum</td>
<td>Culinary Arts &amp; Hospitality Mgmt.</td>
<td>Hospitality Mgmt.</td>
<td>Practicum†</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Production &amp; Hospitality Mgmt.</td>
<td>Profession</td>
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<tr>
<td><strong>SSP:</strong></td>
<td>Student Success Plan (SSP)</td>
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<td></td>
<td>0.5 or more credits</td>
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<tr>
<td><strong>Electives:</strong></td>
<td>Students must earn at least 3.5 additional credits to complete this pathway.</td>
<td></td>
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</tr>
</tbody>
</table>

1 Students are required to take a Math course in their Senior Year.
2 One of which must be U.S. History.
3 The University of Delaware requires two World Language credits of the same language, but also recommends four.
4 This course is a dual enrollment course.
Early Childhood Education Pathway

PATHWAY HIGHLIGHTS

• Child Development
• Early Childhood Exploratory
• Infant and Toddler Curriculum
• Preschool and School-age Curriculum

FUTURE CAREERS:

• Child Care Administrator
• Director of Educational Programs
• Early Childcare Worker
• Early Childhood Research/Analysis
• Early Childhood Teacher
• Early Intervention Specialist
• Teacher’s Assistant

PATHWAY CREDITS

• This pathway is a minimum of 27 credits.
• An expectation for this pathway is that students sit for the AP exam in any AP course taken.
• Students earn credit for work-based learning experiences.
• Students in this pathway are required to take a dual enrollment course articulated with an accredited post-secondary institution.

SUMMARY OF PATHWAY

Students completing this Career and Technical Education (CTE) pathway will earn essential skills related to childcare and early childhood development and education. Students will be prepared for further study or employment related to these topics following graduation. This pathway is designed for students who are looking to pursue a career in a field related to Early Childhood Education. The pathway will introduce the foundations of childhood curriculum as well as provide practical experiences in working with children in educational settings.
### EARLY CHILDHOOD EDUCATION PATHWAY REQUIREMENTS

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English:</strong> 4 credits</td>
<td>English I</td>
<td>English II</td>
<td>Choose two: English III English IV British Literature English IV American/British Gothic English IV Themes in Literature AP Language and Composition AP Literature and Composition English 101/102*</td>
</tr>
<tr>
<td><strong>Science:</strong> 4 credits</td>
<td>Choose one: Earth and Space Science I Chemistry I Physics I</td>
<td>Biology I</td>
<td>Choose two credits: Biology II AP Biology Earth and Space Science I Earth and Space Science II Ecology Environmental Science Chemistry I Chemistry II Physics I Anatomy and Physiology I Anatomy and Physiology II Honors AP Environmental Science</td>
</tr>
<tr>
<td><strong>Social Studies:</strong> 3 credits*</td>
<td>Choose one: World Studies AP Human Geography</td>
<td>Choose one: Civics and Economics AP Microeconomics</td>
<td>Choose one: US History AP US History</td>
</tr>
<tr>
<td><strong>Health:</strong> 0.5 credits</td>
<td>Health</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Physical Education:</strong> 1 credit</td>
<td>Physical Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>World Language:</strong> 2 credits*</td>
<td>World Language I-II</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Pathway Requirement:</strong> 5 credits</td>
<td>Early Childhood Education I Early Childhood Exploratory</td>
<td>Early Childhood Education II Early Childhood Exploratory</td>
<td>Early Childhood Education III Early Childhood Exploratory Early Childhood Practicum†</td>
</tr>
<tr>
<td><strong>SSP:</strong> 0.5 or more credits</td>
<td>Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion.</td>
<td></td>
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</tr>
<tr>
<td><strong>Electives:</strong> 3 credits minimum</td>
<td>Students must earn at least 3 additional credits to complete this pathway.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 Students are required to take a Math course in their Senior Year.
2 One of which must be U.S. History.
3 The University of Delaware requires two World Language credits of the same language, but also recommends four.
4 This course is a dual enrollment course.

*† = Capstone course
K-12 Teacher Academy Pathway

PATHWAY HIGHLIGHTS
- Human Growth & Development
- Teaching As a Profession
- Foundations of Curriculum and Instruction
- Creating Environments for Learning

FUTURE CAREERS:
- Elementary Teacher
- Secondary Teacher
- Paraprofessional
- Special Education Teacher

PATHWAY CREDITS
- This pathway is a minimum of 29.5 credits.
- Students will be eligible to take the ParaPro exam to be certified as a paraprofessional.
- Students are required to take a dual enrollment course. Successful completion will result in 3 college credits.

SUMMARY OF PATHWAY
The K-12 Teacher Academy program of study engages students in developing a realistic understanding of teaching while exploring the importance and impact of teachers. Students will acquire the knowledge and skills needed to sustain their interest in the profession and cultivate the skills needed to be successful educators, thus creating a pipeline of high-quality students transitioning to the teaching profession. 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, paraprofessional, and special education teacher.
## K-12 Teacher Academy Pathway Requirements

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
</table>
| **English:** 4 credits | English I | English II | Choose two:  
- English III  
- English IV British Literature  
- English IV American/British Gothic  
- English IV Themes in Literature  
- AP Language and Composition  
- AP Literature and Composition  
- English 101/1024 |
| **Mathematics:** 4 credits1 | Take all sequentially  
- Integrated Math I  
- Integrated Math II | Choose two:  
- Integrated Math III  
- Integrated Math IV  
- Statistics and Probability  
- Advanced Algebra with Financial Applications  
- Honors Calculus  
- AP Statistics  
- AP Calculus AB  
- AP Calculus BC  
- Trigonometry4 |
| **Science:** 4 credits | Choose two:  
- Earth and Space  
- Science  
- Biology I  
- Biology II | Choose two credits:  
- Chemistry I  
- Physics I  
- Anatomy and Physiology I  
- AP Biology  
- AP Chemistry  
- Dual Enrollment – Anatomy & Physiology |
| **Social Studies:** 4 credits2 | Choose one:  
- World Studies  
- AP Human Geography | Civics & Economics | Choose one:  
- US History  
- AP US History | Choose one:  
- Sociology  
- Psychology |
| **Health:** 0.5 credits | Health | | |
| **Physical Education:** 1 credit | Physical Education | | |
| **World Language:** 3 credits3 | World Language I-III | | |
| **Pathway Requirement:** 4.5 credits minimum | Human Growth and Development  
- Teaching As a Profession  
- Foundations of Curriculum and Instruction | Creating Environments for Learning4† | |
| **SSP:** 0.5 or more credits | Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion. | | |
| **Electives:** 4 credits minimum | At least 1 credit must be earned through work based learning in instructional settings across the junior and senior years | | |

1 Students are required to take a Math course in their Senior Year.  
2 One of which must be U.S. History.  
3 The University of Delaware requires two World Language credits of the same language, but also recommends four.  
4 This course is a dual enrollment course.
Allied Health Pathway

PATHWAY HIGHLIGHTS

• Fundamentals of Health Science
• Essentials of Health Careers
• Anatomy and Physiology
• Allied Health Practicum

SUMMARY OF PATHWAY

The Allied Health program of study is a four (4) course Career & Technical Education (CTE) instructional program 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.

FUTURE CAREERS:

• Respiratory Therapist
• Nurse
• Dental Hygienist
• Medical Lab Technician
• Nursing Assistant
• Physical Therapist
• Radiologist

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 are required to complete service hours in medical facilities.
• Students participating in this pathway can earn nine (9) articulated credits with Delaware Technical and Community College.
• 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 complete service hours in medical facilities.
• Students participating in this pathway can earn nine (9) articulated credits with Delaware Technical and Community College.
### ALLIED HEALTH PATHWAY REQUIREMENTS

The following is a suggested sequence of courses required to successfully complete this pathway.

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<tr>
<th></th>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
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<tbody>
<tr>
<td><strong>English:</strong></td>
<td>4 credits</td>
<td>English I</td>
<td>English II</td>
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<td>English IV American/British Gothic</td>
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<td>English IV Themes in Literature</td>
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<td>AP Language and Composition</td>
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<td><em>English 101/102</em></td>
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<tr>
<td><strong>Mathematics:</strong></td>
<td>4 credits&lt;sup&gt;1&lt;/sup&gt;</td>
<td><em>Take all sequentially</em></td>
<td>Integrated Math I</td>
<td>Choose two:</td>
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<td>Integrated Math II</td>
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<td>Integrated Math IV</td>
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<td>Statistics and Probability</td>
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<td>Advanced Algebra with Financial Applications</td>
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<td>Honors Calculus</td>
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<td>Physics I</td>
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<td>AP Environmental Science</td>
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<td><strong>Social Studies:</strong></td>
<td>Choose one:</td>
<td>Civics and Economics</td>
<td>Choose one:</td>
<td>Choose one:</td>
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<td>World Studies</td>
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<td>US History</td>
<td>Contemporary Global Issues</td>
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<td><em>Psychology</em>&lt;sup&gt;4&lt;/sup&gt;</td>
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<td>AP World History</td>
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<td>Sociology</td>
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<td><em>Sociology</em>&lt;sup&gt;4&lt;/sup&gt;</td>
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<tr>
<td><strong>Health:</strong></td>
<td>Health</td>
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<td></td>
<td>0.5 credits</td>
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<tr>
<td><strong>Physical Education:</strong></td>
<td>Physical Education</td>
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<td></td>
<td>1 credit</td>
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<tr>
<td><strong>World Language:</strong></td>
<td>World Language I-IV</td>
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<tr>
<td></td>
<td>4 credits&lt;sup&gt;3&lt;/sup&gt;</td>
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</tr>
<tr>
<td><strong>Pathway Requirement:</strong></td>
<td>Human Growth and Development</td>
<td>Fundamentals of Health Science</td>
<td>Essentials of Health Careers</td>
<td>Anatomy and Physiology&lt;sup&gt;†&lt;/sup&gt;</td>
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<tr>
<td></td>
<td>4.5 credits minimum</td>
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<td>Allied Health Practicum</td>
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<tr>
<td><strong>SSP:</strong></td>
<td>Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion.</td>
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<tr>
<td><strong>Electives:</strong></td>
<td>Students must earn at least 2.5 additional credits to complete this pathway.</td>
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<tr>
<td></td>
<td>2.5 credits minimum</td>
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</tbody>
</table>

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<sup>1</sup> Students are required to take a Math course in their Senior Year.

<sup>2</sup> One of which must be U.S. History.

<sup>3</sup> The University of Delaware requires two World Language credits of the same language, but also recommends four.

<sup>4</sup> This course is a dual enrollment course.

<sup>†</sup> = Capstone course
Sports Medicine and Management Pathway

PATHWAY HIGHLIGHTS
• Human Growth & Development
• Anatomy & Physiology
• Medical Terminology
• Sports Medicine
• Strength & Conditioning

SUMMARY OF PATHWAY
The Sports Medicine program of study is an instructional program that engages students in open-ended problem solving where they study topics such as medical terminology, human anatomy and physiology, and exercise science. Students will acquire important skills necessary for healthcare professionals such as injury prevention, conditioning programs, and treatment and care of athletic injuries. Students will become certified in First-Aid and CPR and will have an opportunity to become a certified Strength & Conditioning Specialist. The program prepares students for a variety of careers in healthcare such as personal trainer, athletic trainer, physical therapist, sports medicine doctor, and occupational therapist.

FUTURE CAREERS:
• Certified Strength & Conditioning Coach
• Personal Trainer
• Athletic Trainer
• Physical Therapist
• Sports Medicine Doctor
• Exercise Physiologist
• Occupational Therapist

PATHWAY CREDITS
• This pathways is a minimum of 28 credits.
• Students have the option to take the CSCS test to become a certified Strength & Conditioning coach upon graduation.

School of Health Sciences
<table>
<thead>
<tr>
<th></th>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
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</thead>
<tbody>
<tr>
<td><strong>English:</strong></td>
<td>English I</td>
<td>English II</td>
<td>Choose two:</td>
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<tr>
<td>4 credits</td>
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<td>English III</td>
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<td>English IV British Literature</td>
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<td>English IV American/British</td>
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<td>Gothic</td>
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<td>English IV Themes in Literature</td>
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<td>AP Language and Composition</td>
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<td>AP Literature and Composition</td>
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<td></td>
<td></td>
<td>English 101/102†</td>
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<tr>
<td>4 credits†</td>
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<td>Integrated Math III</td>
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<td>Integrated Math IV</td>
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<td>Statistics and Probability</td>
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<td>Advanced Algebra with Financial Applications</td>
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<tr>
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<td>Earth and Space</td>
<td>Biology II</td>
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<td></td>
<td>Science I</td>
<td>AP Biology</td>
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<td>Chemistry I</td>
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<td>Physics I</td>
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<td>Choose one:</td>
<td>Choose one:</td>
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<tr>
<td>3 credits²</td>
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<td>US History</td>
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<td>AP Human Geography</td>
<td>AP Microeconomics</td>
<td>AP US History</td>
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<tr>
<td><strong>Health:</strong></td>
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<tr>
<td>0.5 credits</td>
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<td><strong>Physical Education:</strong></td>
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<td>1 credit</td>
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<tr>
<td><strong>World Language:</strong></td>
<td>World Language I-III</td>
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<tr>
<td>3 credits³</td>
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<tr>
<td><strong>Pathway Requirement:</strong></td>
<td>Human Growth and Development</td>
<td>Anatomy &amp; Physiology</td>
<td>Choose one:</td>
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<tr>
<td>4.5 credits</td>
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<td>Medical Terminology</td>
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<td>Sports Medicine</td>
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<td><strong>SSP:</strong></td>
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<td>Strength &amp; Conditioning†</td>
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<td>0.5 or more credits</td>
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<td>Medical Technology</td>
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<tr>
<td><strong>Electives:</strong></td>
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<td>Choose at least one:</td>
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<td>3.5 credit minimum</td>
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<td>Public Health, Human</td>
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<td>Structure and Function⁴</td>
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<td>AP Psychology</td>
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<td></td>
<td>Health Care Practicum</td>
</tr>
</tbody>
</table>

† = Capstone course

1 One of which must be Algebra II or Integrated Math III
2 One of which must be U.S. History.
3 The University of Delaware requires two World Language credits of the same language, but also recommends four.
4 This course is a dual enrollment course.
PATHWAY HIGHLIGHTS
• Foundations of Graphic Design
• Processes of Digital Design
• Applications of Web Design

SUMMARY OF PATHWAY
The Digital Communication Technology program of study is a four (4) course Career and Technical Education (CTE) instructional program that engages students in a wide array of creating and formatting digital media content. The program will teach you to create, manipulate, and design rich multimedia products through a variety of outlets. You will explore the core disciplines in the field, then moving on to explore how to use various courses in the Adobe Collection, including Adobe Illustrator, Photoshop, Audition, and Premiere Pro. This program is designed to prepare students for college and career opportunities in the Digital Media and Communication field.

FUTURE CAREERS:
• User Experience Designer
• Visual Designer
• Digital Strategist
• Marcom Manager
• Web Designer
• Public Relations
• Content Development and Marketing
• Interactive Design and Production

PATHWAY CREDITS
• This pathway is a minimum of 28 credits.
# Digital Communication Technology Pathway Requirements

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
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<tbody>
<tr>
<td><strong>English:</strong> 4 credits</td>
<td>Choose two:</td>
<td>Choose two:</td>
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<tr>
<td>English I</td>
<td>English II</td>
<td>English III</td>
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<td>English IV American/British Gothic</td>
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<td>English IV Themes in Literature</td>
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<td>AP Language and Composition</td>
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<td>AP Literature and Composition</td>
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<td><em>English 101/102</em></td>
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<tr>
<td><strong>Mathematics:</strong> 4 credits¹</td>
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<tr>
<td>Integrated Math I</td>
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<td>Integrated Math III</td>
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<td>Integrated Math II</td>
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<td>Integrated Math IV</td>
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<td>Statistics and Probability</td>
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<td>Advanced Algebra with Financial Applications</td>
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<td>Honors Calculus</td>
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<td>AP Statistics</td>
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<td>AP Calculus AB</td>
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<td>AP Calculus BC</td>
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<td></td>
<td></td>
<td>Trigonometry⁴</td>
<td></td>
</tr>
<tr>
<td><strong>Science:</strong> 4 credits</td>
<td>Choose two:</td>
<td>Choose two credits:</td>
<td></td>
</tr>
<tr>
<td>Earth and Space Science</td>
<td></td>
<td>Chemistry I</td>
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<tr>
<td>Science</td>
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<td>Chemistry II</td>
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<td>Biology I</td>
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<td>Environmental Science</td>
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<td>Biology II</td>
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<td>Physics I</td>
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<td>AP Biology</td>
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<td>AP Chemistry</td>
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<td>Dual Enrollment – Anatomy &amp; Physiology</td>
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<tr>
<td><strong>Social Studies:</strong> 3 credits²</td>
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<td>Choose one:</td>
<td></td>
</tr>
<tr>
<td>World Studies</td>
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<td>US History</td>
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<tr>
<td>AP Human Geography</td>
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<td>AP US History</td>
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<tr>
<td><strong>Health:</strong> 0.5 credits</td>
<td>Health</td>
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<td></td>
</tr>
<tr>
<td><strong>Physical Education:</strong> 1 credit</td>
<td>Physical Education</td>
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<td></td>
</tr>
<tr>
<td><strong>World Language:</strong> 3 credits³</td>
<td>World Language I-III</td>
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<tr>
<td><strong>Pathway Requirement:</strong> 5.5 credits minimum</td>
<td>Choose one:</td>
<td>Processes of Digital Design</td>
<td>Applications of Web Design⁴</td>
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<td>Photography</td>
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<tr>
<td>Creative Writing</td>
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<tr>
<td><strong>Applications of Web Design⁴</strong></td>
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</tr>
<tr>
<td><strong>SSP:</strong> 0.5 or more credits</td>
<td>Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Electives:</strong> 2.5 credits minimum</td>
<td>Students must earn at least 2.5 additional credits to complete this pathway.</td>
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</tr>
</tbody>
</table>

¹ One of which must be Algebra II or Integrated Math III.
² One of which must be U.S. History.
³ The University of Delaware requires two World Language credits of the same language, but also recommends four.
⁴ This course is a dual enrollment course.

† = Capstone course
English Language Arts Pathway

PATHWAY HIGHLIGHTS

• Technical Writing
• Foundational/Archetypal Literature
• Shakespeare
• Modern Interpretation

CHOOSE ONE:

» AP History
» Sociology
» Psychology
» African-American Studies
» Upper-level Language IV or above
» Linguistics

FUTURE CAREERS:

• Journalist
• Copywriter
• Technical Writer
• Science Writer
• Grant Writer
• Teacher

SUMMARY OF PATHWAY

The English Language Arts pathway is ideal for the student who loves all aspects of English from reading to research writing. Graduates with this pathway will engage in critical analysis of text from a variety of perspectives. The writing undertaken in this pathway will enable students to be well prepared for the type of writing and critical reading they will undertake at the college level.

PATHWAY CREDITS

• This pathway is a minimum of 27 credits.
• An expectation for this pathway is that students sit for the AP exam in any AP course taken.
## ENGLISH LANGUAGE ARTS PATHWAY REQUIREMENTS

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
</table>
| **English:** 4 credits | English I | English II | Choose two: English III Honors English IV British Literature Honors English IV American/British Gothic Honors English IV Themes in Literature Honors AP Language and Composition AP Literature and Composition English 101/102  
| **Science:** 3 credits | Choose one: Earth and Space Science I Chemistry I Physics I Biology I | Choose two credits: Biology II AP Biology Earth and Space Science I Earth and Space Science II Ecology Environmental Science Chemistry I Chemistry II Physics I Anatomy and Physiology I AP Environmental Science  
| **Social Studies:** 3 credits | Choose one: World Studies AP Human Geography | Choose one: Civics and Economics AP Microeconomics | Choose one: US History AP US History  
| **Health:** 0.5 credits | Health |  
| **Physical Education:** 1 credit | Physical Education |  
| **World Language:** 3 credits | World Language I-III |  
| **Pathway Requirement:** 5 credits minimum | Technical Writing/Public Speaking Creative Writing Shakespeare Modern Interpretation of Literature |  
| **SSP:** 0.5 or more credits | Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion. |  
| **Senior Project:** 0.5 credit | Senior Project |  
| **Electives:** 2.5 credits minimum | Students must earn at least 2.5 additional credits to complete this pathway. |  

1 Students are required to take a Math course in their Senior Year.  
2 One of which must be U.S. History.  
3 The University of Delaware requires two World Language credits of the same language, but also recommends four.  
4 This course is a dual enrollment course.  
5 The Senior Project is to be aligned to the Pathway.
Humanities Pathway

PATHWAY HIGHLIGHTS

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

SUMMARY OF PATHWAY

The Humanities pathway is designed for those students wishing to advance their skills in all of the areas of the Humanities. These students will pursue interests within English, Social Studies, World Language, and the Arts to the highest course levels offered. Successful completion of this pathway requires that students engage in either AP courses or college-level experiences in each of the four targeted areas.

FUTURE CAREERS:

- Artist
- Corporate Communications
- Educator
- Foreign Correspondent
- Museum Curator

PATHWAY CREDITS

- This pathway is a minimum of 27 credits.
- An expectation for this pathway is that students sit for the AP exam in any AP course taken.
### HUMANITIES PATHWAY REQUIREMENTS
The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th></th>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
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</thead>
<tbody>
<tr>
<td><strong>English:</strong></td>
<td>English I</td>
<td>English II</td>
<td>Choose two:</td>
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<tr>
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<td>4 credits</td>
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<td>English III</td>
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<td>English IV British Literature Honors</td>
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<td>English IV American/British Gothic Honors</td>
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<td>English IV Themes in Literature Honors</td>
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<td>English 101/102*</td>
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<tr>
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<td>Take all sequentially</td>
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<td>Choose two:</td>
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<td>Integrated Math I</td>
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<td>Advanced Algebra with Financial Applications</td>
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<td>Trigonometry*</td>
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<td>Science:</td>
<td>Choose one:</td>
<td>Biology I</td>
<td>Choose two credits:</td>
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<td>Biology II</td>
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<td>Science I</td>
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<td>Chemistry I</td>
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<td>Earth and Space Science I</td>
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<td>Physics I</td>
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<td>Earth and Space Science II</td>
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<td>Ecology</td>
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<td>Environmental Science</td>
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<td>Anatomy and Physiology I</td>
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<td>AP Environmental Science</td>
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<tr>
<td>Social Studies:</td>
<td>Choose one:</td>
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<td>Choose one:</td>
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<td></td>
<td>World Studies</td>
<td>Civics and Economics</td>
<td>US History</td>
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<td></td>
<td>AP Human Geography</td>
<td>AP Microeconomics</td>
<td>AP US History</td>
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<tr>
<td>Health:</td>
<td>Health</td>
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<td>0.5 credits</td>
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<tr>
<td>Physical Education:</td>
<td>Physical Education</td>
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<td></td>
<td>1 credit</td>
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<tr>
<td>World Language:</td>
<td>World Language I-IV</td>
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<tr>
<td></td>
<td>4 credits*</td>
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<tr>
<td>Pathway Requirement:</td>
<td>Communications</td>
<td>One additional Social Studies</td>
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<td></td>
<td>Choose any three (3) courses from Visual Arts, Performance Arts or Music</td>
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</tr>
<tr>
<td>SSP:</td>
<td>Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion.</td>
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<tr>
<td>SSP:</td>
<td>0.5 or more credits</td>
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<tr>
<td>Senior Project:</td>
<td>0.5 credit*</td>
<td></td>
<td></td>
<td>Senior Project</td>
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<tr>
<td>Electives:</td>
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<td>Choose one:</td>
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<td></td>
<td>Internship</td>
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<td></td>
<td>Participation in Dramatic production</td>
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<td></td>
<td>Art Show creation/participation</td>
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<tr>
<td></td>
<td>Study abroad</td>
<td></td>
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</tbody>
</table>

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1 Students are required to take a Math course in their Senior Year.
2 One of which must be U.S. History.
3 The University of Delaware requires two World Language credits of the same language, but also recommends four.
4 This course is a dual enrollment course.
5 The Senior Project is to be aligned to the Pathway.
Literature and Creative Writing Pathway

PATHWAY HIGHLIGHTS

• Shakespeare
• Creative writing
• In depth study of literature
• Support to writing lab

SUMMARY OF PATHWAY

Students completing the Literature and Creative Writing pathway will complete a course of study focused on appreciation, analysis and creation of literature and creative writing. Students will take advanced coursework in English to further hone their literacy skills in preparation for post-secondary education. This pathway is designed for students who wish to pursue further education and careers related to English and Literature fields of study.

FUTURE CAREERS:

• English Teacher
• Journalist
• Screenwriter
• Author
• Editor
• Professor
• Advertising
• Blogger

PATHWAY CREDITS

• This pathway is a minimum of 28.5 credits.
LITERATURE AND CREATIVE WRITING PATHWAY REQUIREMENTS

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
</table>
| **English:** | 4 credits | **English I** | **English II** | **Choose one:**
| | | | | **English III:**
| | | | | American Literature
| | | | | AP Language and Composition
| | | | | **English IV:**
| | | | | Themes in Literature
| | | | | English IV: American/British Gothic
| | | | | Critical Reading and Writing (Dual enrollment)
| | | | | AP Literature and Composition
| | | | | **Take all sequentially**
| | | | | **Integrated Math I**
| | | | | **Integrated Math II**
| | | | | **Choose two:**
| | | | | **Integrated Math III**
| | | | | **Integrated Math IV**
| | | | | Statistics and Probability
| | | | | Advanced Algebra with Financial Applications
| | | | | Honors Calculus
| | | | | AP Statistics
| | | | | AP Calculus AB
| | | | | AP Calculus BC
| | | | | Trigonometry
| | | | | **Choose one:**
| | | | | **Chemistry I**
| | | | | **Physics I**
| | | | | **Anatomy and Physiology I**
| | | | | AP Biology
| | | | | AP Chemistry
| | | | | Dual Enrollment – Anatomy & Physiology
| | | | | Environmental Science
| | | | | **Choose one:**
| | | | | **World Studies**
| | | | | **AP Human Geography**
| | | | | **Civics and Economics**
| | | | | **Choose one:**
| | | | | **US History**
| | | | | **AP US History**
| | | | | **Health:**
| | | | | 0.5 credits
| | | | | **Physical Education:**
| | | | | 1 credit
| | | | | **World Language:**
| | | | | 3 credits
| | | | | **World Languages I-III**
| | | | | **Pathway Requirement:**
| | | | | 3 credits minimum
| | | | | **Technical/ Public Speaking**
| | | | | **Shakespeare**
| | | | | **Modern Interpretation of Literature**
| | | | | **SSP:**
| | | | | 0.5 or more credits
| | | | | Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion.
| | | | | **Senior Project:**
| | | | | 0.5 credit
| | | | | **Senior Project**
| | | | | **Electives:**
| | | | | 5 credits minimum
| | | | | Students must earn at least 5 additional credits to complete this pathway.

1 Students are required to take a Math course in their Senior Year.
2 One of which must be U.S. History.
3 The University of Delaware requires two World Language credits of the same language, but also recommends four.
4 This course is a dual enrollment course.
5 The Senior Project is to be aligned to the Pathway.
World and Human Studies Pathway

SUMMARY OF PATHWAY

The World and Human Studies program of study is designed to prepare students to live and work and navigate an increasingly interdependent and multicultural world. Courses will focus on the political, cultural and economic interrelationships within the contemporary global system.

PATHWAY HIGHLIGHTS

• Psychology
• Sociology
• AP Government and Politics
• African American History
• AP Microeconomics

FUTURE CAREERS:

• Anthropologist
• Historian
• Museum Curator
• Geologist
• Archeologist
• Travel Agent/Guide

PATHWAY CREDITS

• This pathway is a minimum of 29.5 credits.
## WORLD AND HUMAN STUDIES PATHWAY REQUIREMENTS

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
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<tr>
<th></th>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
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<tbody>
<tr>
<td><strong>English:</strong></td>
<td>English I</td>
<td>English II</td>
<td>Choose two:</td>
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<td></td>
<td>4 credits</td>
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<td>English III</td>
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<td></td>
<td>English IV British Literature Honors</td>
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<td>English IV American/British Gothic Honors</td>
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<td>English IV Themes in Literature Honors</td>
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<td>AP Language and Composition</td>
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<td>AP Literature and Composition</td>
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<td></td>
<td>English 101/102</td>
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<tr>
<td><strong>Mathematics:</strong></td>
<td>Take all sequentially</td>
<td>Integrated Math I</td>
<td>Choose two:</td>
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<td></td>
<td>Integrated Math II</td>
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<td>Integrated Math III</td>
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<td>Integrated Math IV</td>
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<td>Statistics and Probability</td>
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<td>Advanced Algebra with Financial Applications</td>
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<td>Honors Calculus</td>
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<td>AP Statistics</td>
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<td>AP Calculus AB</td>
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<td>AP Calculus BC</td>
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<td>Trigonometry</td>
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<td><strong>Science:</strong></td>
<td>Choose one:</td>
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<td>Choose two credits:</td>
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<td></td>
<td>Earth and Space</td>
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<td>Chemistry I</td>
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<td></td>
<td>Science</td>
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<td>Physics I</td>
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<td></td>
<td>Biology I</td>
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<td>Anatomy and Physiology I</td>
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<td>Biology II</td>
<td></td>
<td>AP Biology</td>
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<td>AP Chemistry</td>
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<td>Anatomy &amp; Physiology</td>
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<td><strong>Social Studies:</strong></td>
<td>Choose one:</td>
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<td></td>
<td>World Studies</td>
<td>Civics and Economics</td>
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<td></td>
<td>AP Human Geography</td>
<td>US History</td>
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<td>Choose one:</td>
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<td>Contemporary Global Issues</td>
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<td><strong>Health:</strong></td>
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<td>0.5 credits</td>
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<td><strong>Physical Education:</strong></td>
<td>Physical Education</td>
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<td>1 credit</td>
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<tr>
<td><strong>World Language:</strong></td>
<td>World Language I-IV</td>
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<td>4 credits</td>
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<td><strong>Pathway Requirement:</strong></td>
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<td>4 credits minimum</td>
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<td>4 Credits from:</td>
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<td>Psychology</td>
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<td>Sociology</td>
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<td></td>
<td>AP Government/ Politics</td>
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<td>African- American History</td>
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<td></td>
<td>AP Microeconomics</td>
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<tr>
<td><strong>SSP:</strong></td>
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<td></td>
<td>Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion.</td>
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<td>0.5 or more credits</td>
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<tr>
<td><strong>Senior Project:</strong></td>
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<td>Senior Project</td>
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<tr>
<td></td>
<td>0.5 credit</td>
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<tr>
<td><strong>Electives:</strong></td>
<td></td>
<td></td>
<td>Students must earn at least 3 additional credits to complete this pathway.</td>
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<tr>
<td></td>
<td>3 credits minimum</td>
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</tbody>
</table>

1 One of which must be Algebra II or Integrated Math III.
2 One of which must be U.S. History.
3 The University of Delaware requires two World Language credits of the same language, but also recommends four.
4 This course is a dual enrollment course.
5 The Senior Project is to be aligned to the Pathway.
World Language and International Studies Pathway

UNITS OF STUDY
- World Language
- Career Capstone
- Linguistics

FUTURE CAREERS:
- Airline Services
- Event Management
- Foreign Civil Service
- Hotel Management
- Import/Export Specialist
- Subtitle and Voice-over Artist
- International Business Affairs
- Interpreter/Translator

SUMMARY OF PATHWAY
The World Language and International Studies pathway develops cultural competence and proficiency in one of six languages. Students will gain greater appreciation of their first language through the study of linguistics. Students 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 apply for a Seal of Biliteracy upon successful completion of this pathway.

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.
## WORLD LANGUAGE AND INTERNATIONAL STUDIES PATHWAY REQUIREMENTS

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English:</strong> 4 credits</td>
<td>English I</td>
<td>English II</td>
<td>Choose two: English III, English IV British Literature, English IV American/British Gothic, English IV Themes in Literature, AP Language and Composition, AP Literature and Composition, English 101/102&lt;sup&gt;2&lt;/sup&gt;</td>
</tr>
<tr>
<td><strong>Science:</strong> 3 credits</td>
<td>Choose one: Earth and Space Science I, Chemistry I, Physics I</td>
<td>Biology I</td>
<td>Choose one: Biology II, AP Biology, Earth and Space Science I, Earth and Space Science II, Ecology, Environmental Science, Chemistry I, Chemistry II, Physics I, Anatomy and Physiology I, AP Environmental Science</td>
</tr>
<tr>
<td><strong>Social Studies:</strong> 4 credits&lt;sup&gt;2&lt;/sup&gt;</td>
<td>Choose one: World Studies, AP Human Geography</td>
<td>Choose one: Civics and Economics, AP Microeconomics</td>
<td>Choose one: US History, AP US History</td>
</tr>
<tr>
<td><strong>Health:</strong> 0.5 credits</td>
<td>Health</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Physical Education:</strong> 1 credit</td>
<td>Physical Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>World Language:</strong> 4 credits&lt;sup&gt;3&lt;/sup&gt;</td>
<td>World Language I-IV</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Pathway Requirement:</strong> 3.5 credits minimum</td>
<td></td>
<td>AP World Language Linguistics</td>
<td>Language and Career Capstone course&lt;sup&gt;4&lt;/sup&gt;†</td>
</tr>
<tr>
<td><strong>SSP:</strong> 0.5 or more credits</td>
<td>Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion.</td>
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</tr>
<tr>
<td><strong>Electives:</strong> 3.5 credits minimum</td>
<td>Students must earn at least 3.5 additional credits to complete this pathway.</td>
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<td></td>
</tr>
</tbody>
</table>

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1. Students are required to take a Math course in their Senior Year.
2. One of which must be U.S. History.
3. The University of Delaware requires two World Language credits of the same language, but also recommends four.
4. This course is a dual enrollment course.

† = Capstone course
Life-centered Career Education Pathway

PATHWAY HIGHLIGHTS

• Life Skills
• Integrated Consumers Math
• English
• Physical Education/Adapted PE
• Health
• Vocational Studies
• Work Studies
• Co-operative Work Studies

PATHWAY POSSIBILITIES

• This pathway does not earn credits toward a general diploma.
• Students in this pathway will receive a certificate of completion.

SUMMARY OF PATHWAY

This pathway is for students earning a certificate of completion with a focus in career readiness and post-secondary outcomes. A certificate of completion is awarded to those students with Individual Education Plans who are taught a non-accredited, modified curriculum and take the Alternate State Assessment. The goal of the certificate program is to prepare students for independent living, competitive employment, or other post-secondary school programs while also focusing on math and English at a functional level. Academic courses will use the high school level Grade Band Extensions (GBE) of the Delaware Content Standards.
# LIFE-CENTERED CAREER EDUCATION PATHWAY REQUIREMENTS

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th></th>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English:</strong></td>
<td>Take all: English GBE I</td>
<td>English GBE II</td>
<td>English GBE III</td>
<td>English GBE IV</td>
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<tr>
<td></td>
<td>9-12</td>
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</tr>
<tr>
<td><strong>Mathematics:</strong></td>
<td>Integrated Consumers Math I</td>
<td>Integrated Consumers Math II</td>
<td>Integrated Consumers Math III</td>
<td>Integrated Consumers Math IV</td>
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<tr>
<td></td>
<td>9-12</td>
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</tr>
<tr>
<td><strong>Life Skills:</strong></td>
<td>Life Skills I</td>
<td>Life Skills II</td>
<td>Life Skills III</td>
<td>Life Skills IV</td>
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<td></td>
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<tr>
<td><strong>Vocational Studies:</strong></td>
<td>Vocational Studies I</td>
<td>Vocational Studies II</td>
<td>Vocational Studies III</td>
<td>Vocational Studies IV</td>
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<tr>
<td><strong>Health:</strong></td>
<td>Health</td>
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<tr>
<td><strong>Physical Education:</strong></td>
<td>Physical Education/Adapted PE</td>
<td>Physical Education/Adapted PE</td>
<td>Physical Education/Adapted PE</td>
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<tr>
<td><strong>Work Studies:</strong></td>
<td>Work Studies I</td>
<td>Work Studies II</td>
<td>Work Studies III</td>
<td>Work Studies IV</td>
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<tr>
<td><strong>Co-operative Work Studies:</strong></td>
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<tr>
<td><strong>Electives:</strong></td>
<td>Transition Elective Choice</td>
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</tr>
</tbody>
</table>
Jobs for Delaware Graduates Pathway

PATHWAY HIGHLIGHTS
• JDG Grade 9
• JDG Grade 10
• JDG Grade 11
• JDG Grade 12

FOCUS OF PATHWAY:
• Delaware Scholarship Programs
• Organization and Time Management
• Career Attire
• Cover Letter, Resumes, and References
• Employment Interviews
• Business Etiquette
• Employee Rights
• Financial Planning

PATHWAY CREDITS
• This pathway is a minimum of 27 credits.
• Participants in this pathway are eligible for membership in the Delaware Career Association, a youth organization that enhances classroom instruction with field trips, group activities, and conferences.

SUMMARY OF PATHWAY
The JDG pathway is designed to help students reach academic and career goals. The curriculum includes seventeen school-to-work transition competencies per year. All JDG students are eligible for membership in the Delaware Career Association (DCA), a youth organization that enhances the classroom instruction with field trips, group activities, and state conferences. The four goals of the DCA are: leadership development, citizenship, social awareness, and career preparation. The JDG Specialist is available to assist JDG students in finding jobs in the career of their choice during the school year, in the summer, and for 12 months following graduation.
The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
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</thead>
<tbody>
<tr>
<td><strong>English:</strong> 4 credits</td>
<td>English I</td>
<td>English II</td>
<td>Choose two: English III, English IV British Literature, English IV American/British Gothic, English IV Themes in Literature, AP Language and Composition, AP Literature and Composition, English 101/102(^4)</td>
</tr>
<tr>
<td><strong>Science:</strong> 3 credits</td>
<td>Choose one: Earth and Space Science I, Chemistry I, Physics I</td>
<td>Biology I</td>
<td>Choose two credits: Biology II, AP Biology, Earth and Space Science I, Earth and Space Science II, Ecology, Environmental Science, Chemistry I, Chemistry II, Physics I, Anatomy and Physiology I, AP Environmental Science</td>
</tr>
<tr>
<td><strong>Social Studies:</strong> 4 credits(^2)</td>
<td>Choose one: World Studies, AP Human Geography</td>
<td>Choose one: Civics and Economics, AP Microeconomics</td>
<td>Choose one: US History, AP US History</td>
</tr>
<tr>
<td><strong>Health:</strong> 0.5 credits</td>
<td>Health</td>
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<tr>
<td><strong>Physical Education:</strong> 1 credit</td>
<td>Physical Education</td>
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</tr>
<tr>
<td><strong>World Language:</strong> 2 credits(^3)</td>
<td>World Language I-II</td>
<td></td>
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</tr>
<tr>
<td><strong>Pathway Requirement:</strong> 4.5 credits minimum</td>
<td>JDG Grade 9</td>
<td>JDG Grade 10</td>
<td>JDG Grade 11</td>
</tr>
<tr>
<td><strong>SSP:</strong> 0.5 or more credits</td>
<td>Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion.</td>
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<tr>
<td>** Electives:** 3.5 credits minimum</td>
<td>Students must earn at least 3.5 additional credits to complete this pathway.</td>
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</tr>
</tbody>
</table>

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1. Students are required to take a Math course in their Senior Year.
2. One of which must be U.S. History.
3. The University of Delaware requires two World Language credits of the same language, but also recommends four.
4. This course is a dual enrollment course.
PATHWAY HIGHLIGHTS

- Aerospace Science I-IV (MHS)
- Military Science I-IV (AHS)

FUTURE CAREERS:

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

SUMMARY OF PATHWAY

The Junior ROTC Corps pathway 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.
**JUNIOR RESERVE OFFICER TRAINING CORPS PATHWAY REQUIREMENTS**

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
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</thead>
<tbody>
<tr>
<td><strong>English:</strong>&lt;br&gt;4 credits</td>
<td>English I</td>
<td>English II</td>
<td>Choose two:&lt;br&gt;English III&lt;br&gt;English IV British Literature&lt;br&gt;English IV American/British Gothic&lt;br&gt;English IV Themes in Literature&lt;br&gt;AP Language and Composition&lt;br&gt;AP Literature and Composition&lt;br&gt;English 101/102&lt;sup&gt;†&lt;/sup&gt;</td>
</tr>
<tr>
<td><strong>Mathematics:</strong>&lt;br&gt;4 credits&lt;sup&gt;1&lt;/sup&gt;</td>
<td><strong>Take all sequentially</strong>&lt;br&gt;Integrated Math I&lt;br&gt;Integrated Math II</td>
<td><strong>Choose two:</strong>&lt;br&gt;Integrated Math III&lt;br&gt;Integrated Math IV&lt;br&gt;Statistics and Probability&lt;br&gt;Advanced Algebra with Financial Applications&lt;br&gt;Honors Calculus&lt;br&gt;AP Statistics&lt;br&gt;AP Calculus AB&lt;br&gt;AP Calculus BC&lt;br&gt;Trigonometry&lt;sup&gt;4&lt;/sup&gt;</td>
<td></td>
</tr>
<tr>
<td><strong>Science:</strong>&lt;br&gt;3 credits</td>
<td><strong>Choose one:</strong>&lt;br&gt;Earth and Space&lt;br&gt;Science I&lt;br&gt;Chemistry I&lt;br&gt;Physics I</td>
<td>Biology I</td>
<td><strong>Choose two credits:</strong>&lt;br&gt;Biology II&lt;br&gt;AP Biology&lt;br&gt;Earth and Space Science I&lt;br&gt;Earth and Space Science II&lt;br&gt;Ecology&lt;br&gt;Environmental Science&lt;br&gt;Chemistry I&lt;br&gt;Chemistry II&lt;br&gt;Physics I&lt;br&gt;Anatomy and Physiology I&lt;br&gt;AP Environmental Science</td>
</tr>
<tr>
<td><strong>Social Studies:</strong>&lt;br&gt;4 credits&lt;sup&gt;2&lt;/sup&gt;</td>
<td><strong>Choose one:</strong>&lt;br&gt;World Studies&lt;br&gt;AP Human Geography</td>
<td><strong>Choose one:</strong>&lt;br&gt;Civics and Economics&lt;br&gt;AP Microeconomics</td>
<td><strong>Choose one:</strong>&lt;br&gt;US History&lt;br&gt;AP US History</td>
</tr>
<tr>
<td><strong>Health:</strong>&lt;br&gt;0.5 credits</td>
<td>Health</td>
<td></td>
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<tr>
<td><strong>Physical Education:</strong>&lt;br&gt;1 credit</td>
<td>Physical Education</td>
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</tr>
<tr>
<td><strong>World Language:</strong>&lt;br&gt;2 credits&lt;sup&gt;3&lt;/sup&gt;</td>
<td>World Language I-II</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Pathway Requirement:</strong>&lt;br&gt;4.5 credits minimum</td>
<td>Aerospace Science I&lt;br&gt;Military Science I</td>
<td><strong>Choose one:</strong>&lt;br&gt;Aerospace Science II&lt;br&gt;Military Science II</td>
<td><strong>Choose one:</strong>&lt;br&gt;Aerospace Science III&lt;br&gt;Military Science III</td>
</tr>
<tr>
<td><strong>SPP:</strong>&lt;br&gt;0.5 or more credits</td>
<td>Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion.</td>
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<td></td>
</tr>
<tr>
<td><strong>Electives:</strong>&lt;br&gt;4.5 credits minimum</td>
<td></td>
<td></td>
<td>Students must earn at least 4.5 additional credits to complete this pathway.</td>
</tr>
</tbody>
</table>

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1 Students are required to take a Math course in their Senior Year.<br>2 One of which must be U.S. History.<br>3 The University of Delaware requires two World Language credits of the same language, but also recommends four.<br>4 This course is a dual enrollment course. <sup>†</sup> = Capstone course
SUMMARY OF PATHWAY

The Political Science and Legal Issues program of study is 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.
# POLITICAL SCIENCE AND LEGAL ISSUES PATHWAY REQUIREMENTS

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
</table>
| **English:** 4 credits | English I | English II | Choose two: English III  
English IV British Literature  
English IV American/British Gothic  
English IV Themes in Literature  
AP Language and Composition  
AP Literature and Composition  
English 101/102² |
| **Mathematics:** 4 credits¹ | Take all sequentially Integrated Math I  
Integrated Math II | Choose two: Integrated Math III  
Integrated Math IV  
Statistics and Probability  
Advanced Algebra with Financial Applications  
Honors Calculus  
AP Statistics  
AP Calculus AB  
AP Calculus BC  
Trigonometry⁴ |
| **Science:** 4 credits | Choose two:  
Earth and Space  
Science I  
Biology I  
Biology II | Choose two credits:  
Chemistry I  
Physics I  
Anatomy and Physiology I  
AP Biology  
AP Chemistry  
Anatomy & Physiology⁴ |
| **Social Studies:** 4 credits² | Choose one:  
World Studies  
AP Human Geography | Civics and Economics  
US History | Choose one:  
AP World History  
Contemporary Global Issues |
| **Health:** 0.5 credits | Health | | |
| **Physical Education:** 1 credit | Physical Education | | |
| **World Language:** 3 credits³ | World Language I-III | | |
| **Pathway Requirement:** 4 credits minimum | 4 Credits from:  
Criminal Justice⁴  
AP Government & Politics  
American Politics⁴  
African-American History  
Sociology | | |
| **SSP:** 0.5 or more credits | Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion. | | |
| **Senior Project:** 0.5 credit⁵ | Senior Project | | |
| **Electives:** 3 credits minimum | Students must earn at least 3 additional credits to complete this pathway. | | |

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1 One of which must be Algebra II or Integrated Math III.
2 One of which must be U.S. History.
3 The University of Delaware requires two World Language credits of the same language, but also recommends four.
4 This course is a dual enrollment course.
5 The Senior Project is to be aligned to the Pathway.
PATHWAY HIGHLIGHTS
• Foundations of Art
• Graphic Design and Production I-III

FUTURE CAREERS:
• Advertising/Marketing Director
• Art Director
• Digital Designer
• Graphic Designer
• Illustrator
• Package Design
• Print Designer

PATHWAY CREDITS
• This pathway is a minimum of 27 credits.
• An expectation for this pathway is that students sit for the AP exam in any AP course taken.

SUMMARY OF PATHWAY
The Graphic Design and Production Career and Technical Education (CTE) pathway exposes students to the world of design through analysis, foundational teachings, and ultimately software application. Level I of the course focuses on the foundational skills necessary to create a high quality design and uses mainly hands-on design work to practice those skills. Levels II and III of the course use Adobe software programs to allow students to apply their knowledge of design in the digital world. Level III focuses on working with real-world clients and producing a high quality portfolio by the end of the semester as well, and is an intensive high-level course.
### GRAPHIC DESIGN PATHWAY REQUIREMENTS
The following is a suggested sequence of courses required to successfully complete this pathway.

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<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
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</table>
| **English:** 4 credits | **English I** | **English II** | Choose two: English III  
English IV British Literature  
English IV American/British Gothic  
English IV Themes in Literature  
AP Language and Composition  
AP Literature and Composition  
English 101/102† |
| **Mathematics:** 4 credits | Take all sequentially  
Integrated Math I  
Integrated Math II | Choose two: Integrated Math III  
Integrated Math IV  
Statistics and Probability  
Advanced Algebra with Financial Applications  
Honors Calculus  
AP Statistics  
AP Calculus AB  
AP Calculus BC  
Trigonometry* |
| **Science:** 3 credits | Choose one:  
Earth and Space Science I  
Chemistry I  
Physics I | **Biology I** | Choose one:  
Biology II  
AP Biology  
Earth and Space Science I  
Earth and Space Science II  
Ecology  
Environmental Science  
Chemistry I  
Chemistry II  
Physics I  
Anatomy and Physiology I  
AP Environmental Science |
| **Social Studies:** 3 credits 2 | Choose one:  
World Studies  
AP Human Geography | Choose one:  
Civics and Economics  
AP Microeconomics | Choose one:  
US History  
AP US History |
| **Health:** 0.5 credits | Health |  |  |
| **Physical Education:** 1 credit | Physical Education |  |  |
| **World Language:** 2 credits 3 | World Language I-II |  |  |
| **Pathway Requirement:** 4.5 credits | Foundations of Art  
Graphic Design and Production I | Graphic Design and Production II  
Graphic Design and Production III† |  |
| **SSP:** 0.5 or more credits | Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion. |  |  |
| **Electives:** 4.5 credits minimum | Students must earn at least 4.5 additional credits to complete this pathway. |  |  |

1 Students are required to take a Math course in their Senior Year.  
2 One of which must be U.S. History.  
3 The University of Delaware requires two World Language credits of the same language, but also recommends four.  
4 This course is a dual enrollment course.
Music Pathway

PATHWAY HIGHLIGHTS

• Orchestra
• Percussion Ensemble
• Symphonic Band
• Choir

SUMMARY OF 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: Symphonic Band, Marching Band, Philharmonic Orchestra, Advanced Choir, Women’s Choir, and Percussion Ensemble. Along with their ensemble classes, Music pathway students will be exposed to other music courses which will enhance their level of musicianship ranging from introductory level to advanced placement (AP) courses. Students will also have opportunities to apply the skills they have learned by participating in festivals, competitions, and by working with clinicians, professors, and professionals in the field of music.

FUTURE CAREERS:

• Accompanist
• Audio Engineer
• Broadcast Engineer
• Chamber Musician
• Composer
• Music Teacher
• Instrumentalist
• Conductor

PATHWAY CREDITS

• This pathway is a minimum of 27 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.
### MUSIC PATHWAY REQUIREMENTS

The following is a suggested sequence of courses required to successfully complete this pathway.

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<th></th>
<th>GRADE 9</th>
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<tbody>
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<td><strong>English:</strong></td>
<td>English I</td>
<td>English II</td>
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<td>English IV American/British Gothic</td>
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<td>English IV Themes in Literature</td>
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<td>AP Language and Composition</td>
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<td>AP Literature and Composition</td>
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<td><em>English 101/102</em></td>
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<tr>
<td><strong>Mathematics:</strong></td>
<td>Take all sequentially</td>
<td>Integrated Math I</td>
<td>Choose two:</td>
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<td>Integrated Math II</td>
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<td>Statistics and Probability</td>
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<td>Advanced Algebra with Financial Applications</td>
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<td>Honors Calculus</td>
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<td>AP Statistics</td>
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<td>AP Calculus AB</td>
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<td>AP Calculus BC</td>
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<td><em>Trigonometry</em></td>
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<tr>
<td><strong>Science:</strong></td>
<td>Choose one:</td>
<td>Biology I</td>
<td>Choose one:</td>
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<td></td>
<td>Earth and Space</td>
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<td>Biology II</td>
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<td>Science I</td>
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<td>AP Biology</td>
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<td>Chemistry I</td>
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<td>Earth and Space Science I</td>
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<td>Physics I</td>
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<td>Earth and Space Science II</td>
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<td>Anatomy and Physiology I</td>
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<td>AP Environmental Science</td>
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<td><strong>Social Studies:</strong></td>
<td>Choose one:</td>
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<td>Choose one:</td>
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<td></td>
<td>World Studies</td>
<td>Civics and Economics</td>
<td>US History</td>
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<td>AP Human Geography</td>
<td>AP US History</td>
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<td><strong>Health:</strong></td>
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<td><strong>Physical Education:</strong></td>
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<td><strong>World Language:</strong></td>
<td>World Language I-II</td>
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<td><strong>Pathway Requirement:</strong></td>
<td>Choose one:</td>
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<td></td>
<td>Symphonic Band</td>
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<td>Orchestra</td>
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<td>Choir</td>
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<td>Percussion Ensemble</td>
<td>Advanced Choir</td>
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<td></td>
<td>Percussion Ensemble</td>
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<td>Percussion Ensemble</td>
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<tr>
<td><strong>SSP:</strong></td>
<td>Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion.</td>
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<tr>
<td><strong>Electives:</strong></td>
<td>Students must earn at least 3.5 additional credits to complete this pathway.</td>
<td></td>
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</tr>
</tbody>
</table>

1 Students are required to take a Math course in their Senior Year.
2 One of which must be U.S. History.
3 The University of Delaware requires two World Language credits of the same language, but also recommends four.
4 This course is a dual enrollment course.

† = Capstone course
Photography Pathway

PATHWAY HIGHLIGHTS
• Photography I
• Photography II
• Foundations of Art

FUTURE CAREERS:
• Artist
• Photojournalist
• Commercial Photographer
• Medical/Biomedical Photographer
• Freelance Photographer
• Sports/Celebrity Photographer
• Portrait/Studio Photographer

PATHWAY CREDITS
• This pathway is a minimum of 27 credits.
• An expectation for this pathway is that students sit for the AP exam in any AP course taken.

SUMMARY OF PATHWAY
The Photography pathway provides students with a sequence of classes to explore visual medium. Students are engaged in the various aspects of still photography and are introduced to tools and techniques to capture great images. The curriculum includes time spent on the development of a collection of techniques and portfolio development. Students are encouraged to be innovative as they research, compose and capture photographic projects throughout the pathway.
PHOTOGRAPHY PATHWAY REQUIREMENTS

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English:</strong> 4 credits</td>
<td>English I</td>
<td>English II</td>
<td>Choose two: English III, English IV, British Literature, English IV, American/British Gothic, English IV Themes in Literature, AP Language and Composition, AP Literature and Composition, English 101/102*</td>
</tr>
<tr>
<td><strong>Science:</strong> 3 credits</td>
<td>Choose one: Earth and Space, Science I, Chemistry I, Physics I</td>
<td>Biology I</td>
<td>Choose one: Biology II, AP Biology, Earth and Space Science I, Earth and Space Science II, Ecology, Environmental Science, Chemistry I, Chemistry II, Physics I, Anatomy and Physiology I, AP Environmental Science</td>
</tr>
<tr>
<td><strong>Social Studies:</strong> 3 credits²</td>
<td>Choose one: World Studies, AP Human Geography</td>
<td>Choose one: Civics and Economics, AP Microeconomics</td>
<td>Choose one: US History, AP US History</td>
</tr>
<tr>
<td><strong>Health:</strong> 0.5 credits</td>
<td>Health</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Physical Education:</strong> 1 credit</td>
<td>Physical Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>World Language:</strong> 2 credits³</td>
<td>World Language I-II</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Pathway Requirement:</strong> 4 credits</td>
<td>Foundations of Art, Film Photography I, Film Photography II, Graphic Design and Production I</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SSP:</strong> 0.5 or more credits</td>
<td>Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Senior Project:</strong> 0.5 credit⁵</td>
<td>Senior Project</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Electives:</strong> 4.5 credits minimum</td>
<td>Students must earn at least 4.5 additional credits to complete this pathway.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹ Students are required to take a Math course in their Senior Year.
² One of which must be U.S. History.
³ The University of Delaware requires two World Language credits of the same language, but also recommends four.
⁴ This course is a dual enrollment course.
⁵ The Senior Project is to be aligned to the Pathway.
Textiles and Clothing Pathway

PATHWAY HIGHLIGHTS

- Apparel Product Assembly and Social Aspects of Clothing
- Apparel and Home Product Development
- Apparel Structures and Pattern Making
- Advanced Apparel and Home Product Assembly Practicum

FUTURE CAREERS:

- Apparel Designer
- CAD Artist
- Fashion Illustrator
- Product Developer
- Retail Manager
- Technical Designer
- Visual Merchandiser

PATHWAY CREDITS

- This pathway is a minimum of 27 credits.
- An expectation for this pathway is that students sit for the AP exam in any AP course taken.

SUMMARY OF PATHWAY

The Clothing and Textile Career and Technical Education (CTE) pathway is designed to introduce students to fashion design and fashion marketing. Students learn how to proficiently use sewing machines, sergers, and embroidery machines to produce garments and home goods. Students study color theory, design, fashion styles, fashion trends, the history of fashion, dying methods, and fashion-related marketing concepts. In Level III and IV, students construct their own fashion designs from sketches, learning about pattern making and draping techniques. In Level IV, students work with local businesses to enhance their fashion marketing techniques.
## TEXTILES AND CLOTHING PATHWAY REQUIREMENTS

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
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<th>GRADE 12</th>
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</thead>
<tbody>
<tr>
<td><strong>English:</strong> 4 credits</td>
<td>English I</td>
<td>English II</td>
<td>Choose two: English III, English IV British Literature, English IV American/British Gothic, English IV Themes in Literature, AP Language and Composition, AP Literature and Composition, <em>English 101/102</em>†</td>
</tr>
<tr>
<td><strong>Science:</strong> 4 credits</td>
<td>Choose one: Earth and Space Science I Chemistry I Physics I</td>
<td>Biology I</td>
<td>Choose two: Biology II AP Biology Earth and Space Science I Earth and Space Science II Ecology Environmental Science Chemistry I Chemistry II Physics I Anatomy and Physiology I Anatomy and Physiology II Honors AP Environmental Science</td>
</tr>
<tr>
<td><strong>Social Studies:</strong> 3 credits</td>
<td>Choose one: World Studies AP Human Geography</td>
<td>Choose one: Civics and Economics AP Microeconomics</td>
<td>Choose one: US History AP US History</td>
</tr>
<tr>
<td><strong>Health:</strong> 0.5 credits</td>
<td>Health</td>
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<tr>
<td><strong>Physical Education:</strong> 1 credit</td>
<td>Physical Education</td>
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<tr>
<td><strong>World Language:</strong> 2 credits</td>
<td>World Language I-II</td>
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<tr>
<td><strong>Pathway Requirement:</strong> 4.5 credits</td>
<td>Textiles I Textiles II Textiles III Textiles IV</td>
<td></td>
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</tr>
<tr>
<td><strong>SSP:</strong> 0.5 or more credits</td>
<td>Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion.</td>
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</tr>
<tr>
<td><strong>Electives:</strong> 3.5 credits minimum</td>
<td>Students must earn at least 3.5 additional credits to complete this pathway.</td>
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</tr>
</tbody>
</table>

† = Capstone course

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1. Students are required to take a Math course in their Senior Year.
2. One of which must be U.S. History.
3. The University of Delaware requires two World Language credits of the same language, but also recommends four.
4. This course is a dual enrollment course.
Theatre Arts Pathway

SUMMARY OF PATHWAY
The Theatre Arts pathway provides the opportunity for students 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 various exercises to learn how to use their body and voice in order to convey the playwright’s intent, and study and perform scenes and monologues from classic and contemporary plays. Technical theatre students will focus on theatrical design and construction. All students will participate in a minimum of two (2) public performances during their high school career.

PATHWAY HIGHLIGHTS
Students choose one area of focus:
- Fundamental of Acting
- Graphic Design
- Painting and Drawing
- Stage Craft
- Musical Theatre Performance/Theatre Dance
- Senior Showcase

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

PATHWAY CREDITS
- This pathway is a minimum of 26.5 credits.
- Students in this pathway must participate in at least two performances within the school.

SUMMARY OF PATHWAY
The Theatre Arts pathway provides the opportunity for students 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 various exercises to learn how to use their body and voice in order to convey the playwright’s intent, and study and perform scenes and monologues from classic and contemporary plays. Technical theatre students will focus on theatrical design and construction. All students will participate in a minimum of two (2) public performances during their high school career.
# THEATRE ARTS PATHWAY REQUIREMENTS

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
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<tbody>
<tr>
<td><strong>English:</strong> 4 credits</td>
<td>English I</td>
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<td>English IV British Literature</td>
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<td>English IV American/British Gothic</td>
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<td>English IV Themes in Literature</td>
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<td>AP Language and Composition</td>
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<td>AP Literature and Composition</td>
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<td></td>
<td>Take all sequentially</td>
<td>Integrated Math I</td>
<td>Integrated Math III</td>
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<td>Integrated Math II</td>
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<td>Statistics and Probability</td>
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<td>Advanced Algebra with Financial Applications</td>
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<td>Honors Calculus</td>
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<td>Trigonometry†</td>
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<td>Ecology</td>
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<td>Environmental Science</td>
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<td>Anatomy and Physiology I</td>
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<td>AP Environmental Science</td>
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<tr>
<td><strong>Science:</strong> 3 credits</td>
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<td><strong>Choose one:</strong></td>
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<td>Earth and Space</td>
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<td>World Studies</td>
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<td>Science I</td>
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<td>World Language I-II</td>
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<tr>
<td><strong>Pathway Requirement:</strong> 4.5 credits</td>
<td><strong>Choose one:</strong></td>
<td><strong>Choose one:</strong></td>
<td><strong>Choose one:</strong></td>
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<tr>
<td></td>
<td>Stage Craft I</td>
<td>Stage Craft II</td>
<td>Stage Craft IV†</td>
</tr>
<tr>
<td></td>
<td>Fundamentals of Acting I</td>
<td>Fundamentals of Acting II</td>
<td>Fundamentals of Acting IV†</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Senior Showcase†</td>
</tr>
<tr>
<td><strong>SSP:</strong> 0.5 or more credits</td>
<td>Student Success Plan (SSP)</td>
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<td>completed over the course of 4</td>
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<td>years. Credit awarded upon</td>
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<td></td>
<td>completion.</td>
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<tr>
<td><strong>Electives:</strong> 4 credits minimum</td>
<td>Students must earn at least 4</td>
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<tr>
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<td>additional credits to complete</td>
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<td>this pathway, one of which one</td>
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<tr>
<td></td>
<td>must be:  Foundations of Art</td>
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<tr>
<td></td>
<td>Graphic Design and Production I</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 Students are required to take a Math course in their Senior Year.
2 One of which must be U.S. History.
3 The University of Delaware requires two World Language credits of the same language, but also recommends four.
4 This course is a dual enrollment course.

† = Capstone course
Visual Arts Pathway

SUMMARY OF 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, but also fosters a lifelong appreciation for visual artistry.

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

FUTURE CAREERS:
- Art Preservationist
- Curator
- Artist
- Exhibition Designer
- Industrial Designer
- Landscape Architect
- Product Designer
- Sculptor

PATHWAY CREDITS
- This pathway is a minimum of 27 credits.
- An expectation for this pathway is that students sit for the AP exam in any AP course taken.

SUMMARY OF 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, but also fosters a lifelong appreciation for visual artistry.

SUMMARY OF PATHWAY
### VISUAL ARTS PATHWAY REQUIREMENTS

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
</table>
| **English:** 4 credits | English I | English II | Choose two:  
English III  
English IV British Literature  
English IV American/British Gothic  
English IV Themes in Literature  
AP Language and Composition  
AP Literature and Composition  
English 101/102* |
| **Mathematics:** 4 credits¹ | Take all sequentially  
Integrated Math I  
Integrated Math II | Choose two:  
Integrated Math III  
Integrated Math IV  
Statistics and Probability  
Advanced Algebra with Financial Applications  
Honors Calculus  
AP Statistics  
AP Calculus AB  
AP Calculus BC  
Trigonometry⁴ |
| **Science:** 3 credits | Choose one:  
Earth and Space  
Science I  
Chemistry I  
Physics I | Biology I | Choose one:  
Biology II  
AP Biology  
Earth and Space Science I  
Earth and Space Science II  
Ecology  
Environmental Science  
Chemistry I  
Chemistry II  
Physics I  
Anatomy and Physiology I  
AP Environmental Science |
| **Social Studies:** 3 credits² | Choose one:  
World Studies  
AP Human Geography | Choose one:  
Civics and Economics  
AP Microeconomics | Choose one:  
US History  
AP US History |
| **Health:** 0.5 credits | Health | | |
| **Physical Education:** 1 credit | Physical Education | | |
| **World Language:** 2 credits³ | World Language I-II | | |
| **Pathway Requirement:** 5 credits | Foundations of Art | Must choose four:  
Ceramics and Sculpture I-II  
Drawing and Painting I-II  
Graphic Design and Production I  
AP Studio Art  
AP Art History | |
| **SSP:** 0.5 or more credits | Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion. | | |
| **Senior Project:** 0.5 credit⁵ | Senior Project | | |
| **Electives:** 3.5 credits minimum | Students must earn at least 3.5 additional credits to complete this pathway. | | |

---

¹ Students are required to take a Math course in their Senior Year.
² One of which must be U.S. History.
³ The University of Delaware requires two World Language credits of the same language, but also recommends four.
⁴ This course is a dual enrollment course.
⁵ The Senior Project is to be aligned to the Pathway.
Computer Science / PLTW Pathway

PATHWAY HIGHLIGHTS
• Computer Science Essentials
• AP Computer Science Principles (CSP)
• Computer Science A (CSA)
• Cybersecurity

SUMMARY OF PATHWAY
The Computer Science program of study is a four (4) course Career & Technical Education (CTE) 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.

FUTURE CAREERS:
• Applications Analyst
• Business Analyst
• Computer Engineer
• Data Modeler
• Information Technology Manager
• Software Applications Architect
• Software Engineer

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 are expected to participate in a work-based learning experience during their junior and/or senior year.

• 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.

• 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.
### COMPUTER SCIENCE / PLTW PATHWAY REQUIREMENTS

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English:</strong> 4 credits</td>
<td><strong>English I</strong></td>
<td><strong>English II</strong></td>
<td>Choose two:</td>
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<td><strong>English III</strong></td>
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<td><strong>English IV British Literature</strong></td>
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<td><strong>AP Language and Composition</strong></td>
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<td><strong>AP Literature and Composition</strong></td>
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<td><strong>English 101/102†</strong></td>
</tr>
<tr>
<td><strong>Mathematics:</strong> 4 credits¹</td>
<td>Take all sequentially</td>
<td>Integrated Math I</td>
<td>Choose two:</td>
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<td>Integrated Math II</td>
<td>Integrated Math III</td>
<td>Integrated Math IV</td>
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<td><strong>Statistics and Probability</strong></td>
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<td><strong>Advanced Algebra with Financial Applications</strong></td>
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<td><strong>Honors Calculus</strong></td>
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<td><strong>AP Calculus AB</strong></td>
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<td><strong>AP Calculus BC</strong></td>
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<td><strong>Trigonometry†</strong></td>
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<tr>
<td><strong>Science:</strong> 3 credits</td>
<td>Choose one:</td>
<td>Biology I</td>
<td>Choose one:</td>
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<td><strong>Anatomy and Physiology I</strong></td>
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<td><strong>Social Studies:</strong> 3 credits²</td>
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<td>Choose one:</td>
<td>Choose one:</td>
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<td><strong>World Studies</strong></td>
<td><strong>Civics and Economics</strong></td>
<td><strong>US History</strong></td>
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<td><strong>AP Human Geography</strong></td>
<td><strong>AP Microeconomics</strong></td>
<td><strong>AP US History</strong></td>
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<tr>
<td><strong>Health:</strong> 0.5 credits</td>
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<td>Physical Education</td>
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<tr>
<td><strong>Physical Education:</strong> 1 credit</td>
<td>Physical Education</td>
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</tr>
<tr>
<td><strong>World Language:</strong> 3 credits³</td>
<td>World Language I-III</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Pathway Requirement:</strong> 4.5 credits</td>
<td>Computer Science Essentials</td>
<td>AP Computer Science Principles (CSP)</td>
<td>Computer Science A (CSA)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Cybersecurity†</strong></td>
</tr>
<tr>
<td><strong>SSP:</strong> 0.5 or more credits</td>
<td>Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Electives:</strong> 4.5 credits minimum</td>
<td>Students must earn at least 4.5 additional credits to complete this pathway.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹ = Capstone course

---

1 Students are required to take a Math course in their Senior Year.
2 One of which must be U.S. History.
3 The University of Delaware requires two World Language credits of the same language, but also recommends four.
4 This course is a dual enrollment course.
**Engineering / PLTW Pathway**

**PATHWAY HIGHLIGHTS**
- Introduction to Engineering
- Principles of Engineering
- Engineering Design and Development
- Digital Electronics

**SUMMARY OF PATHWAY**

The Project Lead the Way (PLTW) Engineering program of study is a four (4) course, work-based learning Career and Technical Education (CTE) 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 engineering and engineering technology.
**ENGINEERING (PLTW) PATHWAY REQUIREMENTS**

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>English: 4 credits</td>
<td>English I</td>
<td>English II</td>
<td>Choose two: English III English IV British Literature English IV American/British Gothic English IV Themes in Literature AP Language and Composition AP Literature and Composition English 101/102†</td>
</tr>
<tr>
<td>Science: 4 credits</td>
<td>Earth and Space Science Honors Biology I Honors</td>
<td>Choose one: Physics Honors AP Physics</td>
<td>Choose one: Chemistry Honors AP Chemistry</td>
</tr>
<tr>
<td>Social Studies: 3 credits‡</td>
<td>Choose one: World Studies AP Human Geography</td>
<td>Choose one: Civics and Economics AP Microeconomics</td>
<td>Choose one: US History AP US History</td>
</tr>
<tr>
<td>Health: 0.5 credits</td>
<td>Health</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical Education: 1 credit</td>
<td>Physical Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>World Language: 3 credits³</td>
<td>World Language I-III</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pathway Requirement: 5 credits</td>
<td>Introduction to Engineering Principles of Engineering</td>
<td>Required: Engineering Design and Development† Internship/Work-based experience</td>
<td></td>
</tr>
<tr>
<td>SSP: 0.5 or more credits</td>
<td>Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives: 4 credits minimum</td>
<td>Students must earn at least 4 additional credits to complete this pathway.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

† = Capstone course

---

1 Students are required to take a Math course in their Senior Year.
2 One of which must be U.S. History.
3 The University of Delaware requires two World Language credits of the same language, but also recommends four.
4 This course is a dual enrollment course.
Forensics Pathway

PATHWAY HIGHLIGHTS

• Forensic Science
• Science in the Courtroom
• Anatomy/Physiology

SUMMARY OF PATHWAY

The Forensics pathway is designed to give students an introduction to the scientific concepts and laboratory research techniques currently used in the field of forensics. Students will develop laboratory skills, critical thinking skills, and communication skills, both written and verbal, necessary in the field.

FUTURE CAREERS:

• Forensic Anthropologist
• Forensic Ballistics Expert
• Forensic Crime Scene Investigator
• Forensic DNA Analyst
• Forensic Science Technician

PATHWAY CREDITS

• This pathway is a minimum of 27 credits.
• An expectation for this pathway is that students sit for the AP exam in any AP course taken.
## Forensic Science Pathway Requirements

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Required Courses</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English:</strong> 4 credits</td>
<td>English I</td>
<td>Choose two: English III, English IV British Literature, English IV American/British Gothic, English IV Themes in Literature, AP Language and Composition, AP Literature and Composition, English 101/102²</td>
</tr>
<tr>
<td><strong>Science:</strong> 4 credits</td>
<td>Chemistry</td>
<td>Choose one: Biology II, AP Biology, Chemistry II, AP Chemistry, Anatomy and Physiology⁴</td>
</tr>
<tr>
<td><strong>Social Studies:</strong> 3 credits²</td>
<td>Choose one: World Studies, AP Human Geography</td>
<td>Choose one: Civics and Economics, AP Microeconomics, US History, AP US History</td>
</tr>
<tr>
<td><strong>Health:</strong> 0.5 credits</td>
<td>Health</td>
<td></td>
</tr>
<tr>
<td><strong>Physical Education:</strong> 1 credit</td>
<td>Physical Education</td>
<td></td>
</tr>
<tr>
<td><strong>World Language:</strong> 2 credits³</td>
<td>World Language I-II</td>
<td></td>
</tr>
<tr>
<td><strong>Pathway Requirement:</strong> 3 credits</td>
<td></td>
<td>Required: Forensic Science, Science in the Courtroom, Choose one: Anatomy/Physiology Honors, Anatomy and Physiology⁴</td>
</tr>
<tr>
<td><strong>SSP:</strong> 0.5 or more credits</td>
<td>Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion.</td>
<td></td>
</tr>
<tr>
<td><strong>Senior Project:</strong> 0.5 credit³</td>
<td></td>
<td>Senior Project</td>
</tr>
<tr>
<td><strong>Electives:</strong> 4.5 credits minimum</td>
<td></td>
<td>Students must earn at least 4.5 additional credits to complete this pathway.</td>
</tr>
</tbody>
</table>

¹ Students are required to take a Math course in their Senior Year.
² One of which must be U.S. History.
³ The University of Delaware requires two World Language credits of the same language, but also recommends four.
⁴ This course is a dual enrollment course.
⁵ The Senior Project is to be aligned to the Pathway.
Mathematics Pathway

PATHWAY HIGHLIGHTS
• AP Statistics
• AP Calculus AB
• AP Calculus BC

SUMMARY OF PATHWAY
This academic pathway is designed to provide coursework that will prepare students to pursue a career in fields that require a strong mathematical background. In addition to completing the four required courses in mathematics, students will also complete additional coursework that may earn college credit while in high school. Students choosing this pathway will explore work in a STEM-related field through work study or internship as part of the pathway requirements.

FUTURE CAREERS:
• Animator/Game Designer
• Computer Programmer/Analyst
• Engineer
• Sports Announcer
• Mathematician
• Accountant
• Political Scientist
• Research Scientist

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.
### MATHEMATICS PATHWAY REQUIREMENTS

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
</table>
| **English:** 4 credits | English I | English II | Choose two:  
  English III  
  English IV British Literature  
  English IV American/British Gothic  
  English IV Themes in Literature  
  AP Language and Composition  
  AP Literature and Composition  
  English 101/102 |
| **Mathematics:** 4 credits | Take all sequentially  
  Integrated Math I  
  Integrated Math II Honors | | Choose two:  
  Integrated Math III Honors  
  Integrated Math IV Honors  
  Statistics and Probability  
  Advanced Algebra with Financial Applications  
  Honors Calculus  
  AP Statistics  
  AP Calculus AB  
  AP Calculus BC  
  Trigonometry |
| **Science:** 4 credits | Choose one:  
  Earth and Space Science I  
  Chemistry I  
  Physics I  
  Biology I | | Choose two:  
  Biology II  
  AP Biology  
  Earth and Space Science I  
  Earth and Space Science II  
  Ecology  
  Environmental Science  
  Chemistry I  
  Chemistry II  
  Physics I  
  Anatomy and Physiology I  
  Anatomy and Physiology II Honors  
  AP Environmental Science |
| **Social Studies:** 3 credits | Choose one:  
  World Studies  
  AP Human Geography | Choose one:  
  Civics and Economics  
  AP Microeconomics | Choose one:  
  US History  
  AP US History |
| **Health:** 0.5 credits | Health | | |
| **Physical Education:** 1 credit | Physical Education | | |
| **World Language:** 3 credits | World Language I-III | | |
| **Pathway Requirement:** 4 credits | Choose 4 credits:  
  AP Statistics  
  AP Calculus AB  
  AP Calculus BC  
  Dual Enrollment | | |
| **SSP:** 0.5 or more credits | Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion. | | |
| **Senior Project:** 0.5 credit | Senior Project | | |
| **Electives: Electives:** 3.5 credits minimum | Students must earn at least 3.5 additional credits to complete this pathway. | | |

1 Students are required to take a Math course in their Senior Year.
2 One of which must be U.S. History.
3 The University of Delaware requires two World Language credits of the same language, but also recommends four.
4 This course is a dual enrollment course.
5 The Senior Project is to be aligned to the Pathway.
Science Pathway

SUMMARY OF 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 real scientists do in their fields. Students choosing this pathway should 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.

PATHWAY HIGHLIGHTS
- Anatomy and Physiology
- Ecology
- Biology
- Chemistry
- Physics
- Environmental Science
- Science Research

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

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.

School of Science, Technology, Engineering and Math
## SCIENCE PATHWAY REQUIREMENTS

The following is a suggested sequence of courses required to successfully complete this pathway.

<table>
<thead>
<tr>
<th></th>
<th>GRADE 9</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English:</strong></td>
<td>English I</td>
<td>English II</td>
<td><strong>Choose two:</strong></td>
<td></td>
</tr>
<tr>
<td>4 credits</td>
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<td></td>
<td>English III</td>
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<td></td>
<td>English IV British Literature</td>
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<td></td>
<td>English IV American/British Gothic</td>
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<td></td>
<td>English IV Themes in Literature</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>AP Language and Composition</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>AP Literature and Composition</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td><strong>English 101/102</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Mathematics:</strong></td>
<td><em>Take all sequentially</em></td>
<td>Integrated Math I</td>
<td><strong>Choose two:</strong></td>
<td></td>
</tr>
<tr>
<td>4 credits&lt;sup&gt;1&lt;/sup&gt;</td>
<td>Integrated Math II</td>
<td></td>
<td>Integrated Math III</td>
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<tr>
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<td></td>
<td>Integrated Math IV</td>
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<td></td>
<td></td>
<td></td>
<td>Statistics and Probability</td>
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<tr>
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<td></td>
<td></td>
<td>Advanced Algebra with Financial Applications</td>
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<td></td>
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<td></td>
<td>Honors Calculus</td>
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<td></td>
<td></td>
<td>AP Statistics</td>
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<td></td>
<td></td>
<td>AP Calculus AB</td>
<td></td>
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<td></td>
<td>AP Calculus BC</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Trigonometry</strong>&lt;sup&gt;4&lt;/sup&gt;</td>
<td></td>
</tr>
<tr>
<td><strong>Science:</strong></td>
<td><strong>Choose two:</strong></td>
<td></td>
<td><strong>Choose two credits:</strong></td>
<td></td>
</tr>
<tr>
<td>4 credits</td>
<td>Earth and Space Science</td>
<td></td>
<td>Chemistry I</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Biology I</td>
<td></td>
<td>Physics I</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Biology II</td>
<td></td>
<td>Anatomy and Physiology I</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>AP Biology</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>AP Chemistry</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Environmental Science</td>
<td></td>
</tr>
<tr>
<td><strong>Social Studies:</strong></td>
<td><strong>Choose one:</strong></td>
<td><strong>Choose one:</strong></td>
<td><strong>Choose one:</strong></td>
<td></td>
</tr>
<tr>
<td>3 credits&lt;sup&gt;2&lt;/sup&gt;</td>
<td>World Studies</td>
<td>Civics and Economics</td>
<td>US History</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AP Human Geography</td>
<td>AP Microeconomics</td>
<td>AP US History</td>
<td></td>
</tr>
<tr>
<td><strong>Health:</strong></td>
<td>Health</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.5 credits</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Physical Education:</strong></td>
<td>Physical Education</td>
<td></td>
<td></td>
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<tr>
<td>1 credit</td>
<td></td>
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<tr>
<td><strong>World Language:</strong></td>
<td>World Language I-III</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>3 credits&lt;sup&gt;3&lt;/sup&gt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Pathway Requirement:</strong></td>
<td><strong>Choose 3 Science credits</strong></td>
<td></td>
<td><strong>Science Research</strong>&lt;sup&gt;†&lt;/sup&gt;</td>
<td></td>
</tr>
<tr>
<td>4.5 credits</td>
<td><em>not taken through Core</em></td>
<td></td>
<td><em>Fall only</em></td>
<td></td>
</tr>
<tr>
<td><strong>SSP:</strong></td>
<td><strong>Student Success Plan (SSP) completed over the course of 4 years. Credit awarded upon completion.</strong></td>
<td></td>
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</tr>
<tr>
<td>0.5 or more credits</td>
<td><strong>Students must earn at least 3.5 additional credits to complete this pathway.</strong></td>
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</tr>
<tr>
<td><strong>Electives:</strong></td>
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</tr>
<tr>
<td>3.5 credits minimum</td>
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</tr>
</tbody>
</table>

<sup>1</sup> Students are required to take a Math course in their Senior Year.

<sup>2</sup> One of which must be U.S. History.

<sup>3</sup> The University of Delaware requires two World Language credits of the same language, but also recommends four.

<sup>4</sup> This course is a dual enrollment course.
English courses are intended to be taken sequentially with students taking English I prior to English II, etc. For upper level students, English III and IV can be substituted with successful completion of an AP or Dual enrollment course in English. Listed elective courses may not be substituted for core courses.

**ENGLISH I**

01001  
01001H  
1 Credit  

This course expands on the reading skills and strategies previously learned in a students’ educational career. Critical reading skills will be reinforced as students tackle increasingly more complex texts and materials independently. In addition to vocabulary expansion, the course will focus on the development of advanced writing skills, and the introduction of more effective approaches to introductions, transitions, and supporting details. Research skills and literary analysis approaches will also be refined.

**ENGLISH II**

01002  
01002H  
1 Credit  

This course uses a varied selection of literature across genres and continues to build upon and add to students’ literacy skills. Throughout the course, students will expand their vocabulary as well as strengthen their research and literary analysis skills. Writing will continue to be a strong focus. Students will refine their skills in development, organization and style while crafting responses that represent an increased level of critical thought from that required in previous years.

**ENGLISH III**

01003  
01003H  
1 Credit  

The foundation of this course will be the study of American Literature including its development across time periods and genres. Research and writing skills, as well as new approaches to literary analysis, will be introduced 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.

**ENG IV- AMERICAN/BRITISH GOTHIC**

01061  
01061H  
1 Credit  

This course is designed to expose students to a variety of American and British Gothic works. Through an examination of British Gothic, students will be able to evaluate the differences in the foundation and development of American Gothic texts. The ultimate goal of this course is to redefine students’ understanding of the concept of horror through a study of authors such as Edgar Allen Poe, Stephen King and Mary Shelley.

**ENG IV- BRITISH LITERATURE**

01056  
01056H  
1 Credit  

This course is designed to expose students to a variety of British canonical works from a wide range of periods and perspectives. Students will explore multiple themes relating to culture, society and the individual through the examination of text and related media such as film and graphic novels to support multiple interpretations of the same text. The ultimate goal of the course is to refine students’ critical reading and writing skills via works from well-known British authors, in an effort to help them be as prepared as possible for their post-secondary endeavors.

**ENG IV- THEMES IN LITERATURE**

01065  
01065H  
1 Credit  

This course is designed to expose students to dominant themes explored in 20th and 21st century literature as well as their foundations in earlier text. Through a study of classical, contemporary and global literature, as well as related media, students will explore the development of multiple themes relating to modern culture, society and the individual. The ultimate goal of the course is to refine students’ critical reading and writing skills in an effort to help them be as prepared as possible for their post-secondary endeavors.
AP LANGUAGE AND COMPOSITION
01005
1 Credit
This course engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer’s purposes, audience expectations, and subjects. Students also learn the way general conventions and the resources of language contribute to effectiveness in writing. This is a rigorous course and students are expected to take the AP exam.

AP LITERATURE AND COMPOSITION
01006
1 Credit
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, style, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Emphasis is placed on analysis of literature and literary composition. This is a rigorous course and students are expected to take the AP exam.

CREATIVE WRITING
01104
HYBRID- this course will be taught through a combination of in person and online
1 Credit
Students will continue to develop their writing skills in this intensive elective course. Students will explore different genres of writing through both reading and writing. Students will create original writing pieces through the writing process model. Students will engage in both formal and informal research as they explore topics of interest to them to use as the basis for writing. This course does not satisfy an English requirement.

SHAKESPEARE
01060
1 Credit
Students study the work of William Shakespeare in greater depth through this course. They will work with Shakespeare’s tragedies, comedies, romances and sonnets. The history of theater will be studied as it relates to the presentation of his plays. Students will also be expected to perform scenes and orally present poetry. Time will also be spent analyzing author’s adaptations of Shakespeare’s source text. This course does not satisfy an English requirement.

ELL- ENGLISH I
0100813
1 Credit
In this course, taught to newcomers to the English language, students will learn basic vocabulary and survival language functions. Some American culture will be presented.

ELL- ENGLISH II
0100823
1 Credit
This course emphasizes listening and speaking skills. Students learn language patterns and structures that will enable them to function in a variety of settings. Pronunciation is addressed as well as spelling. Course satisfies one English credit requirement.

ENGLISH GBE I, II
01901B, 01902B
This course will allow students to access modified high school text to expand vocabulary, reading comprehension, and writing skills. The class will use the Grade Band Extensions of the state high school English content standards. Students will matriculate through the certificate graduate program and will not receive credit.

ENGLISH GBE III, IV
01903B, 01904B
This course will allow students to access modified high school text to expand vocabulary, reading comprehension, and writing skills. The class will use the Grade Band Extensions of the state high school English content standards. Students will matriculate through the certificate graduate program and will not receive credit.
DUAL ENROLLMENT-DELAWARE TECHNICAL AND COMMUNITY COLLEGE
(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. Course fees vary between institutions and range between $125 per student to $300.)

ENGLISH 101
01910
1 credit
This college-level course is designed to teach the concepts of critical thinking and reading skills in the context of written response and essay writing. This course introduces and reinforces the skills necessary to complete academic essays and to respond to diverse texts in meaningful ways.

ENGLISH 102
01920
1 credit
This college-level course is designed to enhance writing, research, and speaking skills and to provide academic writing and reasoning skills to foster lifelong learning.

EARLY COLLEGE ACCESS-WEST VIRGINIA UNIVERSITY
(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. Course fees vary between institutions and range between $125 per student to $300.)

PUBLIC COMMUNICATION
01930
Fully Online
1 Credit
Introduction to principles of communication in the one-to-many context. Emphasis is given to the creation and refutation of arguments.

INTRODUCTION TO MASS MEDIA
01940
Fully Online
1 Credit
Critical examination of mass media with special emphasis on ways in which social, economic, and psychological factors influence the structure, functions, and effects of the media.
ADVANCED ALGEBRA WITH FINANCIAL APPLICATIONS  
02069  
1 Credit  
This course explores reasons why take-home pay is lower than salary as well as how to file income taxes. Students will use spreadsheets and real-world data analysis. The goal of this course is to prepare you for your financial life after high school. Prerequisite: Integrated III

HONORS CALCULUS  
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: Integrated Math IV

INTEGRATED MATH I  
02062  
02062H  
1 Credit  
This course explores the mathematics behind bungee jumping, bouncing balls looks at the geometry behind building structures, and discovers mathematically how to best play games of chance. It uses exciting real-world contexts to build a foundation of algebra, geometry, and data analysis skills.

INTEGRATED MATH II  
02063  
02063H  
1 Credit  
This course explores the mathematics behind costs & revenue when organizing a concert, and Delaware’s own “Punkin Chunkin” contest. Students will use exciting real-world contexts to expand skills in algebra, geometry and data analysis.

INTEGRATED MATH III  
020614  
020614H  
1 Credit  
In this course, students use minute-mysteries to explore logic & reasoning and design roller coaster tracks to explore polynomial functions. This course is the third in the sequence builds upon the mathematical concepts from the first two courses while students develop understanding of rational functions, inverses, logarithms, and similar & congruent figures. Prerequisite: Integrated Math II

INTEGRATED MATH III A  
020614A  
1 Credit  
This course is intended to cover the first half of the Integrated Math III program. It provides an opportunity to study inequalities, linear programming, and quadratic and polynomial functions. Prerequisite: Integrated Math II and staff placement.

INTEGRATED MATH III B  
020614B  
1 Credit  
This course will cover the second half of the Integrated Math III program. It provides an opportunity to study reasoning strategies; geometric proofs; triangle similarity and congruence; and logarithms. Prerequisite: Integrated Math IIIA and staff placement.

INTEGRATED MATH IV:  
020615  
020615H  
1 Credit  
This course involves the explanation of atmospheric changes, model Grand Prix tracks, and discover how the money in the bank grows continuously. This fourth course in the integrated math series applies real-world contexts to mathematics in preparation for Calculus. Prerequisite: Integrated Math III

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 & experimental design, and simulation. Prerequisite: Integrated Math III.
AP STATISTICS
02203
1 credit
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: Integrated Math III. Students taking this course are expected to take the AP exam.

AP CALCULUS AB
02124
2 credits
This upper-level calculus course maintains the rigor of a college course and prepares students take the AP Calculus exam in May. It covers an introduction to limits, development of the derivative and application of the derivative to related rate problems, optimization, curve sketching and rectilinear motion problems. Prerequisite: Integrated Math IV. Students taking this course are expected to take the AP exam.

AP CALCULUS BC
02125
2 credits
AP Calculus BC is an extension of AB. It covers college-level, single variable differential calculus, integral calculus, and infinite sequences and series. Course concepts are approached from graphical, numerical, analytical, and verbal points of view in order to provide experience with its methods and applications. Emphasis is placed on the themes that unify calculus including: derivatives, integrals, limits, polynomial approximations of functions, applications, and modeling. Prerequisite: AP Calculus AB. Students taking this course are expected to take the AP exam.

INTEGRATED CONSUMER MATH
GBE I/II
02901B, 02902B
This course focuses on the practical application of algebra, geometry, statistics and probability. Emphasis is on the real world math skills. The class will use the Grade Band Extensions of the state high school math content standards. Students will matriculate through the certificate graduate program and will not receive credit.

INTEGRATED CONSUMER MATH
GBE III/IV
02903B, 02904B
This course increases students’ practical application of algebra, geometry, statistics and probability. Emphasis is on the real world math skills. The class will use the Grade Band Extensions of the state high school math content standards. Students will matriculate through the certificate graduate program and will not receive credit.

TRIGONOMETRY
02910
1 Credit
A course 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. Prerequisites: Integrated Math III CP or Honors.

MTSC122 Delaware State dual enrollment is dependent upon a passing score on the Mathematics placement test.

DUAL ENROLLMENT-DELWARE STATE UNIVERSITY
(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. Course fees vary between institutions and range between $125 per student to $300.)
ANATOMY AND PHYSIOLOGY I
0305312
1 Credit
This course is designed for those interested in the medical field. The course first introduces anatomy and physiology as well as basic terminology and tissues. An overview of chemistry and biology as it relates to the levels of organization is also covered. Next, the course covers the integumentary, skeletal, muscular, nervous and endocrine systems, both their structure and function as well as contribution to homeostasis. Throughout the course, the students will analyze and collaborate to design a course of action for various case studies. Dissection is required.
Prerequisite: Biology

ANATOMY AND PHYSIOLOGY I HONORS
0305312H
1 Credit
This course is designed for those interested in the medical field. The course first introduces anatomy and physiology basic terminology and tissues that make up the body systems. Next this course takes an in depth study of the integumentary, skeletal, muscular, nervous, and endocrine systems, both their structure and function as well as contribution to homeostasis. Throughout the course, the students will analyze and collaborate to design a course of action for various case studies. The honors course is a more thorough investigation of the material resulting in higher content acquisition over the course of the semester. Dissection is required.
Prerequisite: Biology

ANATOMY/PHYSIOLOGY II HONORS
0305313H
1 Credit
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 to 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

BIOLOGY I
03051
1 Credit
This course uses inquiry based investigations to explore the relationships within cellular energy systems, cellular structure and function, DNA and genetic influence, evolutionary theory and ecological connections. Students will get experience gathering information to communicate reasoning through formal lab reports and writing to explain systems and models investigated.

BIOLOGY I HONORS
03051H
1 Credit
This course uses inquiry based investigations to explore the relationships within cellular energy systems, cellular structure and function, DNA and genetic influence, evolutionary theory and ecological connections. Students will get experience gathering information to communicate reasoning through formal lab reports with an emphasis on data analysis to detect patterns to make a well supported conclusion. In addition, students develop research-based writing to explain systems and models investigated.

BIOLOGY II HONORS
03052H
1 Credit
This course investigates current research in Biology and how this research impacts global dynamics. This 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 on a possible solution to a global, biological issue supported by evidence from their research and/or experimentation.
Prerequisite: Biology 1

BIOLOGY 1A
03902A
1 Credit
This course uses inquiry based investigations to explore chemistry of life, cellular energy systems, and cellular structure and function. Lab activities support classroom studies. Placement is dependent on IEP goals and objectives.

BIOLOGY 1B
03903B
1 Credit
This course uses inquiry based investigations to explore inheritance patterns, protein synthesis, evolution and ecology. Lab activities support classroom studies. Placement is dependent on IEP goals and objectives.
CHEMISTRY I
03101
1 credit
This introductory chemistry course is designed for college bound students interested in majoring in science and medical careers. Topics include: overview of atomic theory, patterns in the periodic table, use of models to explain chemical bonding, basic chemical reactions and stoichiometry. Planning and carrying out investigations & using mathematics in computational thinking are emphasized.

CHEMISTRY I HONORS
03101H
1 Credit
A thorough understanding of chemistry for those students interested in majoring in science, engineering, or medical careers is developed in this course through the in-depth study of atomic theory, patterns in the periodic table, use models to explain chemical bonding, chemical reactions and stoichiometry. Planning and carrying out investigations & using mathematics in computational thinking are strongly emphasized. This course is highly recommended as a prerequisite for AP Chemistry.

CHEMISTRY II HONORS
03102H
1 Credit
This rigorous class is the second course in the chemistry sequence. It is taught at the honors level for those students who don’t wish to take on the workload required in AP chemistry. This course continues the content learned in chemistry I courses. Topics of study include gas laws, models for chemical equilibrium, relationships in thermochemistry, and acid/base chemistry. Students will demonstrate their ability to evaluate and communicate information to explain the interconnections between these topics. Planning and carrying out investigations and using mathematics in computational thinking are strongly emphasized. Prerequisite: Chemistry I CP

EARTH AND SPACE SCIENCE I
0300812
1 Credit
The Earth and space 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; weather and climate; Earth’s materials and systems; the interconnections between Earth’s natural resources and ecosystems; conservation of natural resources; and develop arguments about global climate models based on human activity. Students will analyze and synthesize data to 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 AND SPACE SCIENCE 1A
03901B
1 Credit
The Earth and space 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; weather and climate; and Earth’s materials and systems. Students will develop and use models to build an understanding of Earth and space as a series of complex systems through which matter and energy are continuously cycled. Placement is dependent on IEP goals and objectives.
EARTH AND SPACE SCIENCE II
HONORS
0300822H
1 Credit
Earth and Space Science II is an extended laboratory, field, and literature investigations-based course whereby students apply concepts from Earth and Space Science I and other scientific disciplines in synthesizing theoretical models of Earth and its systems. Students enrolled in this course examine various Earth and space science phenomena, such as: planetology; star and constellation identification; Earth’s spheres; and geologic hazards. Students analyze and apply the unifying themes of Earth and space science as part of scientific inquiry aimed at investigating Earth and space science problems related to personal needs and community issues. Prerequisite: Earth and Space Science I

ENVIRONMENTAL SCIENCE
03003
1 credit
This course 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 the application of scientific process to environmental analysis; ecology; energy flow; ecological structures; earth systems; and 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 should have completed two semesters of science — one of life science and one of physical science (for example, a semester of biology and a semester of chemistry).

FORENSIC SCIENCE
1 credit
Forensics is the application of science for solving crimes. This is a course rich in exploration and lab investigation which applies many disciplines of scientific study such as biology/anatomy, chemistry, and physics to solving crimes. There is an emphasis in complex reasoning, constructing arguments from evidence, using mathematics in computational thinking, and critical thinking. Through lessons, lab analysis of fictional crime scenarios, and real-world case studies, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions. Prerequisites: Biology and Chemistry

PHYSICS I
03151
1 credit
This is an introductory course focusing on energy and its relation to motion, electronics, heat and light. Students will plan and conduct investigations throughout the course to explore these topics. Emphasis will be on constructing explanations through computational thinking by analyzing and interpreting data. Capstone projects will be used to connect cross-cutting themes throughout the curriculum. Completion of the course will develop a foundation for continuing college level studies in Science, Technology, Engineering and Math. Prerequisite – Integrated Math II (freshmen would need Int. Math II in the Fall in order to take Physics I Honors in the Spring)

PHYSICS I HONORS
03151H
1 Credit
This is an introductory course focusing on energy and its relation to motion, electronics, heat and light. Emphasis will be on constructing explanations through computational thinking by analyzing and interpreting data. Students will plan and conduct investigations throughout the course to explore experiences in the physical world. Capstone projects will be used to connect cross-cutting themes throughout the curriculum. Completion of the course will develop a foundation for continuing college level studies in Science, Technology, Engineering and Math. Prerequisite – Integrated Math II (freshmen would need Int. Math II in the Fall in order to take Physics I Honors in the Spring)

SCIENCE IN THE COURTROOM
04166
1 Credit
This course integrates a historical perspective of criminal justice with techniques of forensic science. This course will emphasize a case study approach focusing on historical events and court cases and the science behind them. As a culminating project, students will be required to select a court case that interests them to analyze the evidence presented and the conclusions drawn.
AP BIOLOGY
03056
2 credits
The course 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 the science practices through inquiry-based activities and laboratory investigations without having to teach a textbook from cover to cover. This is a two semester course that meets every day. Prerequisite: Biology 1 Students taking this course are expected to take the AP exam.

AP CHEMISTRY
03106
2 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 lab work is on preparation for the College Board AP test which is administered in May. Prerequisite: Students should have successfully completed a prior chemistry course before enrolling in AP Chemistry. This is a two semester course that meets every day. Students taking this course are expected to take the AP exam.

AP ENVIRONMENTAL SCIENCE
03207
2 credits
The AP 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. Prerequisite: Students should have completed two years of high school laboratory science — one year of life science and one year of physical science (for example, a year of biology and a year of chemistry). Due to the quantitative analysis required in the course, students should also have taken Integrated Math I & II. This is a two semester course that meets every day. Students taking this course are expected to take the AP exam.

AP PHYSICS 1
03155
2 credits
This course is the equivalent of a first semester college course in algebra-based physics. The course focuses on the conceptual and quantitative understanding of how forces and energy govern motion. Additionally, waves, sound and DC circuits are explored. 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 2 semester course that meets every day. Prerequisite: Integrated Math II. Students taking this course are expected to take the AP exam.
AP PHYSICS 2
03156
1 Credit
This course 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 fluids, 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. This is a 1 semester course offered in the Spring only. 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.

DUAL ENROLLMENT-DELAWARE TECHNICAL AND COMMUNITY COLLEGE
(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. Course fees vary between institutions and range between $125 per student to $300.)

ANATOMY AND PHYSIOLOGY
03910
1 Credit
This college level course studies the 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. Prerequisites: Biology I

DUAL ENROLLMENT – WEST VIRGINIA UNIVERSITY
(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. Course fees vary between institutions and range between $125 per student to $300.)

INTRODUCTION TO FORENSIC IDENTIFICATION
15055
Fully Online
1 Credit
Forensics is the application of science for solving crimes. This is a course rich in exploration and lab investigation which applies many disciplines of scientific study such as biology/anatomy, chemistry, and physics to solving crimes. There is an emphasis in complex reasoning, constructing arguments from evidence, using mathematics in computational thinking, and critical thinking. Through lessons, lab analysis of fictional crime scenarios, and real-world case studies, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions. Prerequisites: Biology and Chemistry
AFRICAN AMERICAN HISTORY
04107
1 credit
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. Prerequisite: Modern World History. Course fulfills the 12th grade social studies credit requirement.

CIVICS/ECONOMICS
04160
04160H
1 Credit
In this course, students will study both Civics and Economics. Civics is the study of the democratic foundations of the United States government, and the comparison of the US government with other systems of government found throughout the world, to better understand their responsibility to participate in decision-making. Economics is the study of how people, either as individuals or groups, decide to use scarce resources to satisfy wants, by making choices about what to produce, how to produce, and for whom to produce. Students will be expected to do research, participate in simulations, and engage in discussions to foster their understanding of Civic and Economic concepts.

CONTEMPORARY GLOBAL ISSUES
04106
1 Credit
This course takes an in-depth examination into current national and international global issues. Students will engage in the study of domestic and foreign policies, diplomacy, globalization, global conflicts, and human rights, and their effects on domestic and world affairs. They will be required to analyze and apply their knowledge through discussions, debates, simulations, and research.

ECONOMICS
04201
1 credit
Students investigate how the market system works, studying microeconomics, macroeconomics, and international trade. They apply economic principles to the management of personal finance. Prerequisite: Modern World History. Course fulfills 12th grade social studies credit requirement.

MODERN WORLD HISTORY
04053
04053H
1 credit
Students will examine the roots of modern society by applying the principles of civics, economics, geography and history. Students will then explore global issues that challenge us today. Prerequisite: Successful completion of U.S. History 1930-Present.

PSYCHOLOGY
04254
1 credit
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. Prerequisite: Modern World History. Course fulfills 12th grade social studies credit requirement.

SOCIOLOGY
04258
1 credit
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; interpret data, and present conclusions. Course fulfills 12th grade social studies credit requirement.

UNITED STATES HISTORY
04101
1 Credit
Students will investigate US 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 US. In this course, students will examine and interpret historical data, conduct research, engage in discussion, and participate in simulations.**This course is only available to juniors and seniors requiring a US History credit to graduate from high school.

WORLD STUDIES
04001
04001H
1 credit
This semester-long course studies the relationship of people, places, and environments through world history and culture. Through the examination of historical phenomena and geographic patterns, students will develop a greater understanding of how humans have shaped, and continue to shape, our world. They will also learn how to employ the methods used by historians and geographers to analyze data, draw conclusions, and make predictions about the future.

GRADE 12: TOPICS IN INTEGRATED SOCIAL STUDIES
04904B
1 credit
Students will apply the principles of civics, economics, geography, and history to the study of contemporary issues. Prerequisite: Successful completion of Modern World History. This course fulfills the 12th grade social studies credit requirement. Placement is dependent on IEP goals and objectives.
AP GOVERNMENT & POLITICS: 04157  
1 credit
Students investigate various aspects of U.S. government. Topics include U.S. culture and voting, American democratic principles and values, the institutions of government, and the creation & effects of public policy. Prerequisite: U.S. History 1930-Present. This course is intended for grades 11 or 12. It fulfills the fourth social studies credit. Grade 11 students must be dually enrolled in Modern World History (CP/H) or AP World History. Students taking this course are expected to take the AP exam.

AP HUMAN GEOGRAPHY 04004  
1 Credit
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 discussion, and participate in simulations. Students taking this course are expected to take the AP exam.

AP MICROECONOMICS 04203  
1 credit
Students investigate components of a market economy. Prerequisite: U.S. History 1930-Present. This course is intended for grades 11-12 and fulfills the fourth social studies credit. Grade 11 students must be dually enrolled in Modern World History (CP/H) or AP World History. Students taking this course are expected to take the AP exam.

AP PSYCHOLOGY 04256  
1 credit
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. Prerequisite: U.S. History 1930-Present. This course is intended for grades 11 or 12. It fulfills the fourth social studies credit. Grade 11 students must be dually enrolled in Modern World History (CP/H) or AP World History. Students taking this course are expected to take the AP exam.

AP SEMINAR 22110  
1 credit
AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. Students taking this course are expected to take the AP exam.

AP U.S. HISTORY 04014  
1 credit
Students will examine various topics in United States history from the 15th century to today. Prerequisite: U.S. History 1930-Present. This course is intended for grades 11 or 12. It fulfills the fourth social studies credit. Grade 11 students must be dually enrolled in Modern World History (CP/H) or AP World History. Students taking this course are expected to take the AP exam.

AP WORLD HISTORY 04057  
1 credit
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. Prerequisite: U.S. History 1930-Present. This course is intended for grades 11 or 12. It fulfills the third or fourth social studies credit requirement. Students taking this course are expected to take the AP exam.
DUAL ENROLLMENT COURSE-DELAWARE TECHNICAL AND COMMUNITY COLLEGE
(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. Course fees vary between institutions and range between $125 per student to $300.)

SOCIOLOGY
04910
1 credit
Analysis of American social organization and culture, through a cross-cultural perspective. Sociology investigates, describes, and analyzes patterns of human behavior in all areas of human experience for the purpose of understanding the human condition.

PSYCHOLOGY
04920
1 credit
This course is a survey of general principles underlying human behavior and mental processes. It includes study of the nervous system, perception, learning, motivation, personality, and psychological disorders. Methods of assessment and research principles are discussed.

DUAL ENROLLMENT COURSE-WESLEY COLLEGE
(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. Course fees vary between institutions and range between $125 per student to $300.)

INTRODUCTION TO POLITICAL SCIENCE
04950
1 Credit
Introduces the basic ideas and terminology of political science, with emphasis on important current issues.

INTRODUCTION TO LAW
04960
1 Credit
This course introduces students to the sources of law in the United States, the differences between civil and criminal law, and the United States Legal System including federal and state judicial systems. Students will learn about several areas of substantive law such as criminal law, tort law, contract law, and family law.

INTRODUCTION TO CRIMINAL JUSTICE
04970
1 Credit
This course serves as an introduction to the historical background, development and major issues of the criminal justice system. Students will be exposed to concepts such as the legal system, crime, justice and punishment.
AMERICAN SIGN LANGUAGE I
24852
1 credit
Students gain a basic knowledge of expressive and receptive American Sign Language (ASL) vocabulary through performance based activities. Basic ASL grammar structure will be studied. They will also be introduced to the American Deaf Culture.

AMERICAN SIGN LANGUAGE II
24853
1 credit
Students further their understanding of ASL with advanced grammatical study and conversation. A more in-depth study of American Deaf Culture will be pursued. Prerequisite: ASL I.

AMERICAN SIGN LANGUAGE III
24854 H
1 credit
Students will become intermediate-high level practitioners of ASL. They will comprehend and express thoughts and ideas using classifiers, questioning, temporary aspects, role shifting, sequenced events and topic-comment structure. Prerequisite: ASL II.

AMERICAN SIGN LANGUAGE IV
24855 H
1 credit
Students will demonstrate extended knowledge in ASL when applying to colleges. They will present reports in the targeted language in topics studied in other classes and extend their awareness of limitations of translation between languages. Prerequisite: ASL III.

CHINESE I (MANDARIN)
24402
1 credit
This course introduces the fundamentals of Mandarin. Students focus on the Chinese Pinyin Romanization system, Chinese characters and calligraphic techniques. Students are also exposed to Chinese culture.

CHINESE II (MANDARIN)
24403
1 credit
A continuation of the four pillars of language learning: listening, speaking, reading and writing. Class instruction emphasizes situational activities and performances as well as further study of culture and history. Prerequisite: Chinese I.

CHINESE III (MANDARIN)
24404
1 credit
This course provides students with new vocabulary items and phrases. Students will further their understanding of grammar, as well as their ability to read expositive and narrative articles. Basic writing skills will be introduced. Prerequisite: Chinese II.

CHINESE IV (MANDARIN)
24405H
1 credit
Students will further their understanding of Chinese with advanced grammatical study, reading and conversation designed to help them become familiar with the culture of China. Prerequisite: Chinese III.

FRENCH I
24102
1 credit
Students gain a basic knowledge of spoken & written French vocabulary through practice in listening, speaking, reading and writing. Students will be introduced to the cultures of France & francophone areas of the world.

FRENCH II
24103
1 credit
This course is designed to further the understanding & production of the French language through advanced grammar study, reading & conversation, & to familiarize the student with more of the culture of French speaking countries. Prerequisite: French I.

FRENCH III
24104
1 credit
Students taking this course are expected to speak French and use their acquired knowledge in reading short stories, literary, historical and cultural articles, writing essays & compositions and oral presentations. Prerequisite: French II.

FRENCH IV
24105H
1 credit
This course is designed to practice the skills gained in earlier study as well as further the understanding of French speaking countries and their culture through intensive literature, culture and historical study. Prerequisite: French III.
INTRODUCTION TO THE HISTORY, GEOGRAPHY, AND CULTURE OF SPAIN
1 credit
This course will explore the rich history of Spain from its beginnings in the Stone Age to today. Students will learn about the diverse regions of Spain and various cultural events that make Spain so unique. The course is designed for those students wishing to continue their studies and broaden their knowledge base of Spain after successfully completing Spanish 4.

ITALIAN I (offered at MHS only)
24152
1 credit
This course is designed to give students the basic knowledge of spoken & written Italian vocabulary through practice in listening, speaking, reading and writing. Students will be introduced to the culture.

ITALIAN II (offered at MHS only)
24153
1 credit
Students will further their understanding of Italian with intermediate grammatical study, reading and conversation designed to help them become familiar with the culture of Italy. Prerequisite: Italian I.

ITALIAN III (offered at MHS only)
24154
1 credit
Students will further their understanding of Italian with advanced grammatical study, reading and conversation designed to help them become familiar with the culture of Italy. Prerequisite: Italian II.

ITALIAN IV (offered at MHS only)
24155
1 credit
Italian IV stresses advanced grammar, reading, writing & conversation with the use of technology, historical and current literature and cultural study. Students speak in Italian and the course is taught entirely in Italian. Prerequisite: Italian III.

JAPANESE I
24452
1 credit
An introduction to Japanese through the use of hiragana, katakana & basic concepts and uses of kanji. Students learn to speak, read and write about topics such as school, friends and family in the target language. They are also introduced to the culture and history of Japan.

JAPANESE II
24453
1 credit
Knowledge of Japanese is increased through conversation, grammatical study & reading. Students build on writing skills and continue to learn about the history and culture of Japan. Prerequisite: Japanese I.

JAPANESE III
24454 H
1 credit
More sophisticated conversation and advanced grammar are studied. Students speak Japanese and use their acquired knowledge to read short stories and hold discussions related to Japanese culture. Essay writing and compositions will be introduced. Prerequisite: Japanese II.

JAPANESE IV
24455 H
1 credit
Emphasis is placed on refining reading, writing, listening & speaking. Advanced readings are introduced & Japanese culture will be studied more extensively. Prerequisite: Japanese III.

LINGUISTICS AND HUMAN LANGUAGE (offered at MHS only)
1 credit
This course will take you on a journey through languages around the world. You will learn about why humans have language and how it affects our society. You will work with languages you’ve never heard of before to figure out how they function. Want to learn an alphabet that you can use no matter what language is being spoken? We will give it all to you! After this class, you will realize that everything you learned is a part of your every day life. You’ll feel like you have a new filter to see the world through. Open your eyes to Linguistics!

SPANISH I
24052
1 credit
This course is designed to give students a basic knowledge of spoken and written vocabulary through practice in listening, speaking, reading and writing. Students will be introduced to the culture of Spanish speaking countries.

SPANISH II
24053
1 credit
Students will further their understanding of Spanish with advanced grammatical study, reading and conversation designed to help them become familiar with the cultures of Spanish-speaking nations. Prerequisite: Spanish I.
SPANISH III
24054
1 credit
Students are expected to speak Spanish and use their acquired knowledge to: 1) read short stories and literary, historical & cultural articles; 2) write essays and compositions; 3) deliver oral presentations. Prerequisite: Spanish II.

SPANISH IV
24055H
1 credit
Students practice skills gained in earlier study and further their understanding of Spanish speaking countries and cultures through intensive literature, culture, and historical study. Prerequisite: Spanish III.

WORLD LANGUAGE CAPSTONE
24940
1 credit
This course is designed to immerse students in real life application and experiences with the language of study. Students will work independently at school to prepare for these opportunities in the community. These experiences might include internships at local schools, libraries, and businesses where the language is spoken. Prerequisite: World Language Course Level I

AP SPANISH
24064
1 credit
The purpose of this course is to prepare students to take the College Board Advanced Placement Spanish Language Exam. The emphasis is on analysis of literature and advanced conversation and composition. Prerequisite: Spanish IV. Note: Students should seek instructor input prior to enrolling. Students taking this course are expected to take the AP exam.

AP FRENCH LANGUAGE AND CULTURE
24065
1 Credit
This class will prepare students for the College Board Advanced Placement French Language Exam. Students will learn to understand a wide variety of authentic written and spoken French, with an emphasis on literature, composition, and conversation. The exam, and curriculum, covers 6 themes: world challenges, cultural identity, science and technology, daily life, arts, and family and community. Students taking this course are expected to take the AP exam.

AP JAPANESE LANGUAGE AND CULTURE
24066
1 Credit
The purpose of this course is to prepare students for the College Board Advanced Placement Japanese Language Exam. The course places an emphasis on cultural competence, connections to other school disciplines, comparisons between the Japanese and American culture, and the use of the language in the community and beyond. Students will develop the ability to communicate in a culturally appropriate manner. Students taking this course are expected to take the AP exam.

DUAL ENROLLMENT - WESLEY COLLEGE
(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. Course fees vary between institutions and range between $125 per student to $300.)

INTERMEDIATE SPANISH
24910
1 credit
Provides review of basic vocabulary and structural patterns, after which the student continues to expand vocabulary and refine communicative skills through reading and discussion of literary and cultural texts and films from the Hispanic world. The course also introduces composition in Spanish. Prerequisite: SP101 or two years of high school Spanish with a grade of C or better.

INTERMEDIATE FRENCH
24920
1 credit
Provides thorough review and expansion of French vocabulary and grammar. An integrated tape program is used. The course also provides an introduction to cultural and literary aspects of French heritage.
ANIMAL SCIENCE I
AG9119
1 credit
This course teaches students about the science of animals, both large and small. Units of study include anatomy, breeds and species, animal handling and restraint, basic reproduction, digestion, nutrition, health management and disease control.

ANIMAL SCIENCE II
AG9120
1 credit
This course will help students to develop basic skills necessary to pursue a career in the animal science industry as a producer, vet assistant, technician or professional. Coursework includes advanced handling & restraint, vital signs, anatomy & physiology, genetics, reproduction, animal behavior, health & diseases, housing. Prerequisite: Animal Science I.

ANIMAL SCIENCE III
AG9127
1 credit
This course enables students to continue to study animals and related careers, building knowledge of advanced anatomy and physiology, care, body systems, genetics, training, and management of large & small animals. Coursework increases knowledge of reproduction and breeding, herd management and facilities, design biotechnology, genetics, evaluation techniques. Prerequisite: Animal Science II.

ANIMAL SCIENCE IV
AG9114
1 credit
This course is for students interested in continuing their study of animals and related animal health careers or research. Students will be going out in the field working with livestock or small animals in a production and/or veterinary setting topics such as animal health and evaluation, bandaging, giving medicines under the direction of a DVM, office procedures, medical records, nutrition, animal care, medical terminology, instrument care & identification, animal handling techniques, vital signs, lab procedures, anatomy and pharmacology. Prerequisite: Animal Science III

PLANT & HORTICULTURE I
AG9121
1 Credit
In this course students will learn design principles of horticulture while focusing on flower arranging, landscape architecture and greenhouse production. Through hands-on application students gain an understanding of plant biology and physiology, as well as how to operate the greenhouse.

HORTICULTURAL SCIENCE II
AG9131
1 credit
This course applies research-based study that utilizes skills gained in the three previous levels of instruction. Students complete a comprehensive, course-long research project to further their knowledge and experience within plant science or the horticultural industry. They are expected to explore various careers within the horticultural industry and complete a minimal amount of hours of work-based experience (volunteer or paid). Students will be expected to compete in a career development event through the National FFA organization at the state level in a topic related to their completed agri-science pathway. Prerequisite: Horticultural III.

HORTICULTURAL SCIENCE IV
AG9132
1 credit
Students study how greenhouse plant cropping schedules are used to produce a commercially marketable crop. They explore topics such as plant growth and anatomy in addition to plant disorders, biotechnology and greenhouse structures. Prerequisite: Plant & Horticultural Science I.

NATURAL RESOURCES/ENVIRONMENTAL SCIENCE I
AG9124
1 credit
An introduction to concepts and areas of environmental issues and how to effectively address problems. Areas of interest include population dynamics; ecological principles; biodiversity; conservation of biological resources; forestlands, croplands, soil and water conservation; as well as wildlife and fisheries conservation.
NATURAL RESOURCES/ENVIRONMENTAL SCIENCE II
AG9125
1 credit
This course provides an overview of the principles of interdisciplinary natural resource management and planning. Major focuses of the course are on ecological and social components of sustainable management of natural resources, primarily biological resources. At the center of this definition are the concepts of sustainability, elasticity and stewardship. Prerequisite: NRES I.

NATURAL RESOURCES/ENVIRONMENTAL SCIENCE III
AG9126
1 credit
Focusing on the history of natural resource use and environmental conservation policy, the course highlights recurring environmental themes such as: private vs. public landownership; marketable trade in natural resources; development vs. protection of natural landscape; and the role of society and governments in regulation. Students are challenged to develop their personal ethics regarding development, conservation and preservation of environment. Prerequisite: NRES II.

NATURAL RESOURCES/ENV SCIENCE IV
AG9140
1 Credit
Designed to acquaint students through actual work based learning experiences with research and management activities not available on campus. Students will work with professionals in an area of concentration. Student evaluation will be based upon the recommendation of the field supervisor and detailed written reports submitted by the student. Prerequisite: NRES III

AGRISCIENCE SUMMER WORK EXPERIENCE
AG9700
100 Summer Hours
1/3 credit
Agriscience path/way students in grades 9-11 who will be competing in Career Development Events, showing animals at the State Fair, building displays, preparing Agriscience Fair projects or working in an ag-related job may sign up for this experience. Students are visited by an agriscience teacher on a regular basis to review progress, meet with employers, and make recommendations. A written summary by the student and evaluations by the supervising teacher, employer, and parents will be included in the completed record book.

AGRISCIENCE RESEARCH/INDEPENDENT STUDY
AG9050
1 credit
This course places pathway students in local animal operations and veterinary offices/practices during a class period of the school day. Consideration for acceptance into the course includes: grades, attendance, behavior record and future goals of working in the animal industry. The students will be responsible for completing 60 hours of volunteer or paid service to the animal producer/operation or veterinary office/practice, plant based operation, or environmental industry. Students will be responsible for providing their own transportation. Students will be required to document hours and skills in their AET account with pictures demonstrating skills obtained. Prerequisites: Animal Science III or IV.
**FUNDAMENTALS OF HEALTH SCIENCES (FHS)**

**HPE7100  
1 Credit**

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 Delaware Technical Community College (BIO100-Medical Terminology) Upon successful completion of the course (75% or better), students will receive three college credits from Delaware Technical Community College. Prerequisite: Human Growth and Development.

**ESSENTIALS OF HEALTH CAREERS (EHC)**

**HPE7200  
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 Allied Health, 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 & Physiology I (A&P) course for students in the Allied Health Pathway. Further, this course will be offered as an articulated course with Delaware Technical Community College (HLS100 – Intro 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 Delaware Technical Community College. Prerequisite: Fundamentals of Health Sciences.

**MEDICAL TECHNOLOGY**

**HPE7016  
1 credit**

Open to seniors only. This course places pathway students in local health care settings during a class period of the school day for a full year. Consideration for acceptance into the course includes: grades, attendance, behavior record and future goals of working in the health care field. The students will be responsible for completing 60 hours of volunteer service to the community health care provider. The course is worth two credits toward graduation. Current areas of affiliation include: Physician’s Office, Internal Medicine, Physical Therapy, School Nurse’s Office, Chiropractics, Radiology, Pediatrician’s Office, Sports Medicine, Ophthalmology, Dental Office, Pharmacology, and Veterinary Medicine. Prerequisites: Medical terminology or Sports Medicine.

**MEDICAL TERMINOLOGY (MHS ONLY)**

**HPE7013  
1 credit**

This course is for sophomores and above and focuses on an intensive technical study of the human body as it relates to medicine. It is suggested that this course be taken as a junior, concurrently with Anatomy and Physiology as a third science. Areas of study include: review of anatomy and physiology, medical word elements, pathology, diagnostics, signs and symptoms, terminology, therapeutic procedures & pharmacology. Upon successful completion of the course (85% or better) of a comprehensive final examination, students will receive two college credits from Delaware Technical Community College. Prerequisite: Anatomy & Physiology.
HEALTH SCIENCES

SPORTS MEDICINE (MHS ONLY)

HPE7015
1 credit

Students are introduced to the theory of Sports Medicine including major dynamic trends in the field of athletic training. The following topics are studied: Professional Development and Responsibilities, Risk Management, Pathology of Sports Injury, Management Skills, and General Medical Conditions. Students are responsible for completing 60 hours of volunteer service to high school athletes under the supervision of the certified Athletic Trainer. This class is limited to 20 students per semester. Prerequisite: Anatomy & Physiology.

STRENGTH AND CONDITIONING

HPE7020
1 credit

Strength and conditioning is a specialized class in which students can learn about achieving a high level of fitness and associated benefits. Various means of both aerobic and anaerobic exercises will be examined and several fitness programs will be developed, implemented, and maintained. Health related components and lifelong fitness will be key concepts in this class. Prerequisite: Medical Terminology or Sports Medicine.

DUAL ENROLLMENT-DELAWARE TECHNICAL AND COMMUNITY COLLEGE

(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. Course fees vary between institutions and range between $125 per student to $300.)

ANATOMY AND PHYSIOLOGY

1 Credit

This course studies the 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.
FUNDAMENTALS OF FINANCE (FOF)
BFMT1500
1 Credit
This course explores the foundation of financial literacy, the function of finance in society, and the role of a financial planner. FOF is a prerequisite to other Academy of Finance pathway courses. This course focuses on income and wealth, financial institutions, and the role of finance in organizations. Students research the impact of technology on the financial services field, explore the role of a financial planner and examine the importance of sound financial planning. An integrated culminating project provides an opportunity for students to demonstrate expertise on issues critical to financial independence.

ACCOUNTING III
BFMT9582
1 credit
This course expands upon the principles, theories and procedures introduced in Accounting II. Advanced applications and decision making based on financial reports is included in the course. Students learn how to apply technology to accounting by creating formulas and inputting data into spreadsheets and/or accounting software such as QuickBooks, Peachtree, etc. Prerequisite: Principles of Accounting.

BANKING & FINANCE III
BFMT9591
1 credit
This course expands on the principles, functions, and procedures introduced in Banking Services II. Students acquire a greater understanding of the financial market and system, both nationally and globally.

PRINCIPLES OF ACCOUNTING
AOF105
1 Credit
This course provides students with an understanding of the critical accounting process and how it facilitates decision making by providing data and information to internal and external stakeholders. Students learn how to apply technology to accounting by creating formulas and inputting data into spreadsheets and/or accounting software such as QuickBooks, Peachtree, etc. Students are introduced to the fundamentals of management accounting, manufacturing and cost accounting, budgeting, accounting for managerial decision making, and financial analysis. Technology will be used for internal decision making, planning, and control. A culminating project incorporates costing and pricing, sales mix analysis, performance report preparation, financial ratio comparisons, and profitability. Prerequisite is Fundamentals of Finance.

BANKING SERVICES
BFMT9592
1 Credit
Students work in the high school bank as tellers and customer service representatives where responsibilities include: checking savings transactions, the cash drawer, customer service, recommending products to fulfill customer needs, and opening new accounts. They will assist in the operation of the Bank At School program in an elementary school where they will open savings accounts and collect deposits. Students are responsible for knowledge of bank products and services and must adhere to all student intern guidelines. They must exhibit a high level of customer service and respect client privacy at all times. Prerequisites: Juniors and Seniors who have completed Financial Services. An interview process will be conducted to enter this course. Prerequisite: Banking & Finance III.
CULINARY AND HOSPITALITY MANAGEMENT

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 pre-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.

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 and Hospitality.

THE CULINARY & HOSPITALITY PROFESSIONAL
CHM 9102
1 Credit
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.

CULINARY ARTS PRACTICUM
FCS1700
1 Credit
This is an in-depth, hands-on experience in the food service and hospitality industry. Our focus is restaurant operations. Students will work with the teacher to develop menus for the School Cafe' and write the daily job sheets. They will be responsible for Back of the House (food production) and Front of the House (ordering, customer service) duties.
EARLY CHILDHOOD 1 – EARLY CHILDHOOD DEVELOPMENT
FCS9350
1 Credit

This course is the first level in the Early Childhood career pathway designed to teach students how children grow and develop. The goal of this course is to provide students with the knowledge, skills and attitudes to prepare them for career opportunities working with families and children. Students will explore brain development research and how it helps people better understand how to help children learn. Students will also explore how child development research and theorists have influenced the early childhood field. This course is designed to increase the students’ knowledge of how children grow and develop so that they will be able to apply that knowledge to provide support to children and their families in early childhood settings and with their own families.

EARLY CHILDHOOD II – INFANT AND TODDLER CURRICULUM
FCS9360
1 credit

This course is the second level in the Early Childhood career pathway. The purpose of the Child Development Course is to provide early childhood professionals with a structure they can use to make informed decisions about curriculum practices. Examination of the major developmental milestones for children, both typical and atypical, from conception through elementary in the areas of physical, psychosocial, and cognitive development, emphasizing interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, evaluate individual differences and analyze characteristics of development at various stages. The course will also focus on health, safety and nutrition practices and observation and assessment techniques. It presents principles, a planning process, and strategies to assist teachers in their efforts to support children’s learning. Prerequisite: Early Childhood I.

EARLY CHILDHOOD III - PRESCHOOL/SCHOOL AGE CURRICULUM
FCS9370
1 credit

This course is the third level in the Early Childhood career pathway. The purpose of the Preschool/School Age Curriculum Framework is to provide early childhood professionals with a structure they can use to make informed decisions about curriculum practices. The framework is based on current research on how preschoolers learn and develop in four domains described in the Preschool/School Age Learning and Development Foundations—social-emotional, language, intellectual, and perceptual and motor development. The course is designed to focus on classroom management techniques and career guidance. It presents principles, a planning process, and strategies to assist teachers in their efforts to support children’s learning from 3 years-second grade. Prerequisite: Early Childhood II.

EARLY CHILDHOOD PRACTICUM
FCS9380
2 credits

This course allows students to apply and further develop their knowledge and skills as a professional early childhood teacher working in an early childhood program with the supervision of the practicum instructor. This course gives students the opportunity to apply the theories, principles, skills, concepts and best practices that they have learned in their coursework. Prerequisite: Early Childhood III.
**EARLY CHILDHOOD EDUCATION EXPLORATORY**

**FCS9320**

1 semester  
Credits vary based on level - see below

This course prepares students for a variety of careers that are related to child care, a successful role in the family, or a college program in Early Childhood Education. Students will have on site experience at a licensed childcare program in the community. Experiences will focus on early childhood development, nutrition, parenting skills, personal growth and development. Students will prepare a presentation of a compilation of their experiences to be used both in the career field and as an aid in further education. Required hours will run concurrently with each course level.

REQUIREMENTS:
- Level 1: 5 hours (.25 credit)
- Level II: 10 hours (.25 credit)
- Level III: 15 hours (.50 credit)
- Total 25 hours = 1 credit

**HUMAN GROWTH AND DEVELOPMENT**

**FCS9330**

1 Credit

Human Growth and Development (HGD) introduces students to human physical, cognitive, social, and emotional development beginning with conception and ending with early adolescence. Theories supporting current thinking and research on human development are examined, as well as the processes and influences affecting the developing person. Further, students explore challenges to normal growth and development.

**DUAL ENROLLMENT - WILMINGTON UNIVERSITY**

(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. Course fees vary between institutions and range between $125 per student to $300.)

**CREATING ENVIRONMENTS FOR LEARNING**

**FCS 9340**

1 Credit

Students learn concepts and strategies for preventing discipline problems as well as models of discipline for use if such problems occur in the early childhood/elementary classroom. Preventive strategies include organizing the classroom effectively, maintaining on-task behavior, positive interactions, developing and teaching rules and behavioral expectations, and ignoring attention-getting behavior. Discipline models reviewed by students include student-centered approaches including the Supportive Model and Transactional Analysis, and such teacher-directed approaches as Assertive Discipline and Behavior Modification.
STEM

INTRODUCTION TO ENGINEERING DESIGN (IED)
TE9310
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 design into reproducible products. Prerequisite: Integrated Math I.

PRINCIPLES OF ENGINEERING (POE)
TE9105
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: Intro to Engineering.

DIGITAL ELECTRONICS
TE9312
1 Credit
From smartphones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices. Prerequisite: Digital Electronics.

ENGINEERING DESIGN AND DEVELOPMENT (EDD)
TE9315
1 Credit
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 student 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 post-secondary education and careers in engineering and engineering technology. Prerequisite: Principles of Engineering.

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.

AP COMPUTER SCIENCE PRINCIPLES (CSP)
CS 400
1 Credit
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. 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 eligible to take the AP Computer Science Principles exam.
**COMPUTER SCIENCE A (CSA)**

**CS 500**  
1 Credit  
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. This course aligns with the AP CS A course.

**CYBERSECURITY**

**CS 505**  
1 Credit  
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. Prerequisite: Computer Science A.

**EARLY COLLEGE ACCESS—**

West Virginia University (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. Course fees vary between institutions and range between $125 per student to $300.)

**INTRODUCTION TO FORENSIC IDENTIFICATION**

**FIS 201**  
Fully Online  
1 Credit  
A survey course in forensic science including overview of the history and components of fingerprint classification systems crime scene analysis, and death investigation.

**ENGINEERING PROBLEM SOLVING**

**ENGR 101**  
Fully Online  
1 Credit  
Engineering problem solving methodologies and analysis. Use of computers in problem solving, technical report writing, team based project work and presentations.
PERFORMING AND DESIGN ARTS

FOUNDATIONS OF ART
VA9100
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, Photography or a combination of art courses. $10 materials fee.

CERAMICS AND SCULPTURE I
VA9200
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. $10 materials fee. Prerequisite: Foundations of Art.

CERAMICS & SCULPTURE II
VA9201
1 Credit
This course further develops the 3-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. $10 materials fee. Prerequisite: Foundations of Art, Ceramics and Sculpture I.

DRAWING AND PAINTING I
VA9300
1 Credit
This course develops the two-dimensional art techniques of drawing and painting through the direct observation of still life objects. Broad topics include color theory, critique methods, linear perspective, calligraphy, and artist research. Emphasis will be placed on exploring various media and techniques. $10 materials fee. Prerequisite: Foundations of Art.

DRAWING AND PAINTING II
VA9301
1 Credit
This course further develops the 2-dimensional art techniques of drawing and painting through the subjects of the figure and self-portraits. Broad topics include acrylic painting, printmaking, art criticism, and art careers. Emphasis will be placed on creating a personal style and referencing artists in creating a body of artwork that can be utilized in AP Studio Art. $10 materials fee. Prerequisite: Drawing and Painting I.

PHOTOGRAPHY I
VA9509
1 Credit
This course provides experiences in photography. Broad topics include basic camera functions, critique methods, photography history and computer manipulation. Emphasis will be placed on composition and use of the medium as a means of artistic expression. $10 materials fee. Students must supply a flash drive and have access to a camera for personal use.

PHOTOGRAPHY II
VA9600
1 Credit
Students taking Photo II will be building upon their basic knowledge from Photo I. Part of the class will be based on manipulation of negatives and prints, such as double negatives, and continuing learning about basic black and white techniques using a 35mm SLR Camera. $10 materials fee. Prerequisite: Must have successfully completed Photography I (Digital or Black & White).

AP ART HISTORY
VA9512
1 Credit
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 STUDIO ART 2D
VA9559
1 Credit
This rigorous course provides serious art students with the challenge of creating a body of artwork that demonstrates: 1) quality through a mastery of drawing or design, 2) concentration through an in depth exploration of a particular design concern, and 3) breadth through a variety of media and techniques. Students must submit a 24-piece portfolio to the College Board for consideration in receiving advanced placement and/or credits at the college level. $10 materials fee. Prerequisites: Drawing & Painting I and Drawing & Painting II.
GRAPHIC DESIGN AND PRODUCTION I
TE9601
1 Credit
In this introduction to graphic design for printing and publishing, students will be introduced to the foundations of design, theory of design, basic practice of client collaboration, critically analyzing professional design work, engaging in the design process and working in the digital field. This course is designed to give students basic knowledge in the theory of design and an understanding of the world of graphic design and the basic skills necessary to begin working within that field. Students will explore basic design techniques, media aesthetics, and develop hands on projects designed to challenge their creativity while simultaneously modeling skills useful in the graphic design field.

GRAPHIC DESIGN AND PRODUCTION II
TE9602
1 Credit
Utilizing skills and knowledge from Graphic Design and Production I, students will work at an intermediate level of design throughout the term. Students will apply their learning through projects such as designing and producing print ads, documents for clients, basic marketing and images. In this level, students are introduced to iMovie and also work at an intensive pace to learn Photoshop and its application in the design world. Students will gain experience in areas such as design, copy preparation, photo manipulation, and traditional and digital print production and software application. Prerequisite: Graphic Design and Production I.

GRAPHIC DESIGN AND PRODUCTION III
TE9604
1 Credit
In this capstone course, students will apply skills learned in previous Graphic Design courses. They will focus on learning the Adobe program Illustrator that focuses on vector imaging and professional level design. Students will have the opportunity to collaborate and engage with real world clients on real projects under the supervision of their instructor while developing a portfolio to be used for post-secondary work. Prerequisite: Graphic Design and Production I and II

ADVANCED CHORUS
PA9527
1 Credit
Entrance into Advanced Chorus is gained through successful participation in General Chorus and hearings throughout the year. A variety of 4 or more part vocal music will be performed from all genres. Training will center on healthy vocal production and sight singing. The ability to match pitch is required. Students should expect to have a private hearing with the instructor outside of the school day. Several out of school performances will be required during the year.

GENERAL CHORUS
PA9522
1 Credit
This beginner-level class is designed for singers with limited part-singing experience. Training centers on healthy vocal production and sight singing. The ability to match pitch is required. Students should expect to have a private hearing with the instructor prior to the start of the school year. Students will also be required to perform in a minimum of three concerts that occur outside of the school day.

INTRODUCTION TO GUITAR – AHS ONLY
PA9104
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 needed. Students must provide their own guitar.

MARCHING BAND
PA9535
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 HS Band.

MUSIC HISTORY
PA9540
1 Credit
Students learn the history of western music from the 700’s through the modern musical era. Topics of study include listening examples, learning the geography and regions of music as it spread through Europe into the New World, and aspects of society that influenced the evolution of music. This course is open to Juniors or Seniors who have taken a high school music course previous to, or concurrent with this course.
MUSIC THEORY I
PA9518
1 Credit
Music Theory will introduce students to the fundamentals of reading, writing, composing, performing, and understanding music. Other genres of music such as jazz, movie scores, pop, and rock may also be explored. Music technology may be used to aid in composition.

MUSIC TECHNOLOGY
PA9545
1 Credit
Students will learn to create music using the computer. This course allows both traditional and non-traditional 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.

PERCUSSION ENSEMBLE
PA9514
1 Credit
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. Prerequisite: 9th Grade–Experience in Gr. 8 Band; Gr. 10-12–Experience in a high school performing ensemble.

PHILHARMONIC ORCHESTRA
PA9536
1 credit
A performance-based class wherein the students study a wide variety of musical styles and develop advanced technical proficiency on their instruments: 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. Prerequisites: Audition or teacher recommendation.

PIANO KEYBOARDING I
PA9524
1 Credit
Students will learn how to play the piano. Major focuses in this course include, but are not limited to, correct piano technique, music theory, scales & short compositions. No prior experience is necessary.

SYMPHONIC BAND
PA9515
1 Credit
A performance-based class that welcomes woodwind, brass and percussionists. Students must understand musical notation and how to play their chosen instrument. They develop advanced musical skills and learn to understand & appreciate music. Students are required to perform in concerts and events outside of the regular school day. Prerequisite: Experience in middle or high school band.

AP MUSIC THEORY
PA9519
1 Credit
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, solfege, sight singing in Major and minor keys, melodic and harmonic dictation, and study of the standard western classical repertoire. Students must read musical notation fluently to register. Prerequisites: Music Theory I, Class Piano, or a high school performing ensemble and successful audition before a committee.

FUNDAMENTALS OF ACTING I
PA9505
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
PA9506
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
PA9507
1 Credit
In this intermediate course students will strengthen 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 character development, and forming an increasing awareness of vocal and physical techniques. They 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.

STAGECRAFT I
PA9560
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 and scenic painting. Students will be expected to help set-up school events and maintain the theatre—this is a hands-on course. They 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
PA9561
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, etc. Students will be required to participate on the technical crew of one of the major school productions. Prerequisite: Stagecraft I.

MUSICAL THEATRE PERFORMANCE/ THEATRE DANCE
PA9510
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 your 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. Prerequisite: Fundamentals of Acting I.

TEXTILES I- AHS ONLY
FCS9450
1 Credit
This is an introductory course to the Clothing and Textiles career. The goal of this course is to provide students with the knowledge, skills and attitudes to create awareness of career opportunities within the fashion industry. Students will study clothing and appearance as contributors to human interactions. Students will also study the basic process of product development. Lab focus: Students learn the basic professional techniques used in the construction of designers’ sample garments. Sewing techniques—including cutting, construction, and finishing.
TEXTILES II- AHS ONLY
FCS9460
1 Credit
This course is the second level in the Clothing and Textiles career pathway. The goal of this course is to build upon level one sewing construction techniques and to create comparisons between product developments. Students will study the product development calendar, the components of a garment, and how the garment is assembled: sizing, fit, costing, garment specifications, and the apparel production process. Lab focus: measurements, sizing, use of dress forms, pattern use, and advanced sewing techniques as well as fabric dye processing. Prerequisite: Textiles I.

TEXTILES III- AHS ONLY
FCS9402
1 Credit
This course is the third level in the Clothing and Textiles career pathway. The goal of this course is to design and utilize draping and flat pattern techniques. Students will develop patterns, sew and assemble garments or home products based upon their pattern development. Lab focus: Through a combination of level I and II knowledge students will rise to apparel design challenges/problems and use the interplay of functional, aesthetic, social, technical, and sustainable focus to create designs. Advanced sewing construction techniques will be mastered. Students will also products to be sold as a part of their enterprise participation. Prerequisite: Textiles III.

TEXTILES IV- AHS ONLY
FCS9403
1 Credit
This course is the fourth level and capstone course in the Clothing and Textiles career pathway. The goal of this course study practicum is to allow students to gain professional hands-on work experience with a local business partnership or to gain a fourth year of lab focus. Students who are interested in fashion merchandising will learn and practice the following: product displays, customer service skills and challenges relating to apparel business situations with a local business. Students who are focused on fashion design will have a fourth lab focus: a culmination of skills learned in the Fashion career pathway through the development of a fashion line. Students will be required to produce a garment or home interior line. Prerequisite: Textiles IV.

DUAL ENROLLMENT COURSE-WILMINGTON UNIVERSITY
(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. Course fees vary between institutions and range between $125 per student to $300.)

PHI 100 INTRODUCTION TO CRITICAL THINKING
04930
1 Semester
1 Credit
This introductory course challenges students with the question: “Why do you think the way you do?” It gives practical consideration to overcoming thinking errors, developing ethical thought, and applying career-specific principles of effective critical thinking to real-life situations.

MUS 101 MUSIC APPRECIATION
PA9600
1 Credit
This course increases the student’s 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.
DRIVERS 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 & concerns. Content areas will include: Personality; Stress; Mental Disorders; Relationships; Nutrition; Weight Management; Non-infectious Disease; Human Growth and Development; AIDS and other STDs; Alcohol, Tobacco and other drugs; Personal Safety/First Aid.

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.
AEROSPACE SCIENCE I- MHS ONLY
ROTC7006
1 credit
This foundation course explores the heritage of flight, development of air power, and the role of military aerospace forces in our society. Leadership concepts include an introduction to the ROTC mission, customs and courtesies; proper wear of the uniform; organization; basic drill and ceremonies; the meaning and purpose of attitude, discipline, and respect; principles of good citizenship, personal standards, values, and ethics; leadership and management techniques; organizational skills; good study habits, time management and personal development; and health, drug, and alcohol abuse awareness.

AEROSPACE SCIENCE II- MHS ONLY
ROTC7011
1 credit
Students gain an in-depth knowledge of the aerospace environment; human requirements of flight; principles of flight, propulsion & navigation; and world cultural studies. Leadership concepts stress oral, written and listening communication skills development; understanding individual & group behavior; leadership theory; and advanced drill and ceremonies. Students also learn practical applications in management by applying for positions of responsibility within the corps. Prerequisite: Aerospace I.

AEROSPACE SCIENCE III- MHS ONLY
ROTC7012
1 credit
This course explores aircrew survival; space propulsion systems; space exploration; the historical significance of a civilian/military venture into space; and the fundamentals of rocketry. Leadership concepts include preparation for life after high school; the importance of obtaining advanced degrees or skills; job search preparations; financial planning; career opportunities; and advanced drill and ceremonies. Students demonstrate increased leadership and management responsibilities through the various staff positions within the corps. Prerequisite: Aerospace Science II.

AEROSPACE SCIENCE IV- MHS ONLY
LEADERSHIP & MANAGEMENT
ROTC7013
1 credit
Students apply the leadership and management principles learned in previous courses by managing the cadet corps. They establish policies & guidelines for the effective planning, organizing, coordinating, and directing all aspects of the corps in a proactive matter. Problem solving, decision-making, negotiating, managerial, communication and organizational skills are honed. Students will also assist instructors in leadership & academic training. The course is restricted to senior (4th year) cadets and 3rd year cadets who are selected for a key leadership role within the unit through an interview process. Prerequisite: Aerospace Science III.

MILITARY SCIENCE II- AHS ONLY
ROTC9101
1 credit
Students gain an advanced knowledge of leadership principles, values and behaviors. Leadership theory and application concepts, world cultures, higher-order critical thinking skills and strategies are emphasized. Students learn practical applications in management by applying for positions of responsibility within the Army JROTC. Prerequisite: Military Science I.

MILITARY SCIENCE III- AHS ONLY
ROTC9102
1 credit
This course explores the historical significance of national military and non-military service. This includes the role of each branch of the U.S. Armed Forces, the Merchant Marines, the Peace Corps and other organizations within our federal government. Leadership concepts include preparation for life after high school; the importance of obtaining advanced degrees or skills; job search preparations; financial planning; career opportunities; and advanced drill and ceremonies. Students demonstrate increased leadership and management responsibilities through the various staff positions within the corps. Prerequisite: Military Science II.

MILITARY SCIENCE IV- AHS ONLY
LEADERSHIP & MANAGEMENT
ROTC9103
1 credit
Students apply the leadership and management principles learned in previous courses by managing the cadet corps. They establish policies and guidelines to effectively plan, organize, coordinate, and direct all aspects of the corps. Problem-solving, decision-making, negotiating, managerial, communication and organizational skills are honed. Students will also assist instructors in leadership and academic training. Prerequisite: Military Science III.
**JOBS FOR DELAWARE GRADUATES**

**JDG GRADE 9**
*JDG9401*  
1 credit  
Students will review study skills, personal grooming, goal setting, decision making, choosing a career path, maintaining a positive attitude, coping with change, values clarification, image assessment, enhancing necessary workplace success skills, group dynamics, conflict resolution, life skills math.

**JDG GRADE 10**
*JDG9402*  
1 credit  
Coursework includes problem solving, teamwork, goal setting, money management, workplace math, courtesy and respect, customer service, workplace diversity, writing job applications, career interests, entrepreneurship, leadership and understanding insurances. Prerequisite: JDG 9.

**JDG GRADE 11**
*JDG403*  
1 credit  
Participants learn about a career vocabulary, resume writing, sources of jobs, telephone skills, listening skills, stress management, personal budgeting, occupational preferences, career manual, verbal presentations, critical thinking, constructive criticism and professional ethics. Prerequisite: JDG 10.

**JDG GRADE 12**
*JDG9404*  
1 credit  
Students receive instruction in time management, cover letters, choosing career attire, employment interview, job survival, performance evaluations, business etiquette, employee rights, pay and benefits, financial planning, career travel, writing a letter of resignation, and career portfolio. Each senior will develop a Career Portfolio that includes a resume, references, a sample job application and commendations. JDG 12 may be the student’s co-op class ONLY if JDG is the student’s pathway (the student's third or fourth year of JDG classes) and the counselor approves it. Prerequisite: JDG 11.
LIFE SKILLS I, II, III, IV  
CFC100, CFC101, CFC102, CFC103  
This course will allow students to access skills to become independent members of the community. This course provides 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 the certificate graduate pathway and will not receive credit.

VOCATIONAL STUDIES I, II, III, IV  
CFC200, CFC201, CFC202, CFC203  
This course will allow students to access a variety of prevocational skills such as interviewing, completing job applications, matching skill/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 the certificate graduate program and will not receive credit.

WORK STUDIES I, II, III, IV  
CFC300, CFC301, CFC302, CFC303  
This course will allow students to be placed at on campus work sites where they acquire a variety of vocational skills such as customer service, workplace math, teamwork, time on task, endurance, and coping with change. Students will progress through each level (I-IV) based on mastery of curricular expectations. Students will matriculate through the certificate graduate program and will not receive credit.

COOPERATIVE WORK STUDIES  
CFC400, CFC401, CFC402, CFC403  
This course is the capstone 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 skill learned previously in their work studies and vocational studies courses. Students will receive onsite job training in diversified occupations. Students will matriculate through the certificate graduate program and will not receive credit.
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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