

## **2025-2026 Curriculum Guide Delaware Military Academy**

The Delaware Military Academy, in partnership with cadets and parents, is working to develop our young men and women to be outstanding scholars, leaders and citizens. We call these the “three ships in our fleet.” We are a college preparatory program, but we recognize that not all our graduates will choose to attend a post-secondary school. Our academic program is intended to ensure that every graduate is prepared, and qualified, to enter a 4-year post-secondary program of study.

There are very few general courses offered at DMA and all cadets are expected to participate in the college preparatory, honors, AP or dual enrollment programs. Our teachers have high standards in the classroom and cadets are expected to work at a high level each day, so they are prepared for the rigors of college, the armed services, an apprenticeship or the workforce.

Cadets are strongly encouraged to complete at least two-honors level courses while at the Academy. Teachers will maintain high academic expectations in the classroom. After school tutoring is available (see the school calendar for details) for cadets who need more time or assistance to meet course requirements. We are continually reviewing and updating our course offerings to reflect the most recent requirements established by private and public universities and colleges for admission.

### **DMA’s Post-Secondary Statistics (as of the Class of 2024):**

- We have graduated 2,372 cadets
- Our graduates have earned a combined 183,342,000 in scholarship monies
- 86% of our graduates go on to a 2-year or 4-year college program
- 10% enlist in the military after graduation
- 4% go directly into the work force

### **DMA’s Mission**

The Mission of the Delaware Military Academy is to prepare young men and women for their next level of education by providing them with a foundation that leads to good citizenship. Encouraged by military training, learning will take place within an environment that embraces both mental and physical health. This holistic approach to education fosters an understanding of the obligations of citizenship and self-discipline. In addition, cadets are exposed to positive moral ideals while being afforded opportunities to engage in appropriate social activities.

### **DMA’s Philosophy**

- The role of the Delaware Military Academy is to educate the entire cadet, paying particular attention to academic, social and emotional needs.
- An education at the Delaware Military Academy fosters citizenship, leadership and self-discipline.
- Military training gives cadets a sense of responsibility, integrity and morality.

- Responsible citizens have a sense of honor and respect for themselves and for others.
- Hard work, dedication and motivation are essential for learning.
- Cadets, parents and teachers share accountability and responsibility for the cadets' education.
- A safe and enjoyable learning environment promotes positive interaction between cadets and teachers.
- Cadets graduate from the Delaware Military Academy ready to accept an adult role in society.
- Community service builds strong character, unity and a sense of responsibility for others.
- A Delaware Military Academy graduate exhibits creative, critical and independent thinking skills.

### **Profile of Our Graduates:**

#### Scholarship

- Ability to express oneself effectively in oral and written form
- Ability to think independently
- Proficient in all academic content areas
- Proficient in the use of technology
- Prepared to enter a post-secondary program of study

#### Leadership

- Ability to give and receive respect
- Ability to set goals, motivate others, and lead by example
- Ability to see a mission through to completion
- Maturity in thought and expression
- Commitment to excellence
- Command presence
- Integrity
- Physical and mental wellness

#### Citizenship

- Patriotism
- Cultural, political and environmental awareness
- Respect for rules and regulations in the community
- Regard for honesty in self and others
- Compassion and empathy for others
- Sense of duty to serve the community

### **DMA Minimum Graduation Requirements**

*DMA Graduation Requirements are more rigorous than the Delaware Department of Education Requirements but encompass all DOE requirements –*

English	4 credits	Electives	3.5 credits
Social Studies	4 credits	Health & Physical Ed.	1.5 credits
Mathematics	4 credits	CTE Pathways	3 credits
Science	4 credits		
World Language	3 credits	A minimum of 3 credits in Naval Science are required to graduate from DMA	

*Upon meeting the Delaware Military Academy standards for graduation and completing the minimum State Standards for a high school diploma a cadet will be eligible for graduation. DMA reserves the right to require additional credits in a specific discipline in response to changes in State Regulations and admission policies for colleges & universities.*

### **State of Delaware Law Graduation Requirements**

Source: <https://regulations.delaware.gov/AdminCode/title14/500/505.shtml>

#### **5.0 Credit Requirements for State of Delaware Diploma - Beginning with the Graduation Class of 2019 (Freshman Class of 2015-2016)**

5.1 Beginning with the graduating class of 2019, a public school student shall be granted a State of Delaware Diploma when such student has successfully completed a minimum of twenty-four (24) credits to graduate including: four (4) credits in English Language Arts, four (4) credits in Mathematics, three (3) credits in Science, three (3) credits in Social Studies, two (2) credits in a World Language, one (1) credit in Physical Education, one-half (1/2) credit in Health Education, three (3) credits in a Career Pathway, and three and one-half (3 ½) credits in elective courses.

5.1.1 The student shall earn credit upon completion of Mathematics course work that includes no less than the equivalent of the traditional requirements of Geometry, Algebra I and Algebra II courses. The student shall complete an Algebra II or Integrated Mathematics III course as one of the Mathematics credits.

5.1.2 Scientific investigations related to the State Science Standards shall be included in all three (3) Science course requirements. The student shall complete a Biology course as one (1) of the Science credits.

5.1.3 The student shall complete a U. S. History course as one (1) of the Social Studies credits.

5.1.4 During the senior year the student shall maintain a credit load each semester that earns the student at least a majority of credits that could be taken that semester. A credit in Mathematics shall be earned during the senior year. Further provided, a student participating in a dual enrollment course or dual credit course, as defined in 14 DE Admin. Code 506 Policies for Dual Enrollment and Awarding Dual Credit, shall be considered to

be meeting the majority of credits, as long as a credit in Mathematics is earned during the senior year.

5.1.4.1 Senior year credits shall include regular High School course offerings, the options available in Section 8.0, or a combination of both.

## 5.2 World Language:

5.2.1 Students may fulfill the two (2) credit World Language requirement by either:

5.2.1.1 Earning a minimum of two (2) World Language credits in the same language; or

5.2.1.2 Demonstrating Novice-high or higher proficiency level on a nationally recognized assessment of language proficiency, except English, in the skill areas of oral or signed expressive and receptive communication, reading and writing, that uses the levels of proficiency as identified by the American Council for the Teaching of Foreign Language, or as approved for use by the Delaware Department of Education.

### DMA Grading Scale:

A	90 – 100	D	66 – 69
B	80 – 89	F	Below 66
C	70 – 79		

### Quality Points (by type of class)

	CP	Honors	AP/Dual Enrollment
A	4	4.5	5
B	3	3.5	4
C	2	2.5	3
D	1	1	1
F	0	0	0

Academic Progress Reports (Interims) and Report Cards will be sent home or made available to view on Infinite Campus. All report cards and interim progress reports reflect a number grade, not a letter grade. This ensures that colleges have a clear picture of a cadet's performance and can accurately compare them against peers with different grading scales. A copy of our school profile is provided to each college or post-secondary program as well.

**NOTE: No Course-Adds or Course-Drops** will be permitted without a conversation with the Dean of Instruction and parent/guardian. The Dean of Instruction will determine if a cadet may be excused from a specific graduation requirement due to a documented learning issue. Additionally, conferences or review boards may be held to address such events as medical problems or a documented family crisis. In this situation, due dates for required work may be extended to allow the student to make up work within an agreed time limit.

### Granting Credit

Granting course credit requires two things: 1. The cadet earns a passing final grade of 66% or higher in the course; 2. The cadet meets the attendance requirements for that instructional course. Cadets who are failing a course will remain in that course for the remainder of the instructional timeline. Practice in mastery of important skills will help them prepare to succeed when they retake the course. All recovery credit will be completed outside of the school day, at the expense of the cadet and the family. The

recovery credit does not replace the original grade; both the original failing grade and the new recovery credit grade will be added in the calculation of the cumulative GPA.

Cadets must pass all of their classes which require 4 credits to graduate to be promoted to the next academic year. DMA does not offer on-site summer courses to earn credit for a course failed during the academic year. It is the cadet's obligation and responsibility to enroll in a "make-up" course to earn credit(s) for any courses "failed" during the academic year.

Credit Recovery may be accomplished by attending summer school at the cadet's district of residence, taking a course through a credit recovery online or correspondence program or any other program that has been approved of the Dean of Cadets or Dean of Instruction. A certified letter is sent at the end of the school year to any cadet who has failed a course. Seniors who fail a first semester course that is required for graduation, will get a letter in February as well. This letter includes directions for registering for and completing recovery coursework. If a senior needs a credit recovery course to graduate, those credits must be completed by June 1<sup>st</sup>. All underclassmen recovery credit coursework must be completed no later than *August 8th*.

## **ACADEMIC LEVEL OF COURSES**

### **Honors Level Courses**

Cadets are eligible for honors courses beginning in ninth grade. Ninth grade cadets will be considered for honors courses based on 8<sup>th</sup> grade test results, end of course assessments, DMA placement testing results and any other data available at the time of the decision. The following 9<sup>th</sup> grade honors courses will be available for qualified cadets:

- Honors Introduction to Literature
- Honors Civics and Geography
- Honors Biology
- Honors Geometry or Algebra 2 (depending on 8<sup>th</sup> grade math course)

Cadets may apply to enter the honors program after 9<sup>th</sup> grade for any core content area where they have achieved a final grade of 90% or higher in the previous CP level course. Once a cadet has entered the honors track for a specific content area, they must maintain an 80% or higher in an honors course to remain in the honors track unless otherwise specified in the course prerequisites.

### **Advanced Placement Level Courses**

Entrance requirements for AP level courses are defined by the Delaware Military Academy and exceptions can be handled on a case-by-case basis.

Students who earn a scores of 3 or higher in both AP Seminar and AP Research (coming 2026-27) as well as earn a 3 or higher on four additional AP Exams, of their choosing,

will receive a 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™. All cadets enrolled in an AP course will be required to take the corresponding AP test at the end of the year.

**AP Precalculus *NEW!*** – A final grade of 90% or higher in Honors Algebra 2 or Honors Precalculus

**AP Calculus AB** – A final grade of 90% or higher in Honors Pre-calculus or Honors Calculus

**AP Calculus BC** – successful completion of AP Calculus AB

**AP Seminar (10<sup>th</sup> grade English) *NEW!*** – Successful completion of Honors English 9 with a final grade of 90% or higher and/or a PSAT 9 total score of 960 or higher

**AP English Language and Composition *NEW!*** - A final grade of 90% or higher in Honors World Literature or successful completion of AP Seminar

**AP Biology** – successful completion of an honors Biology course with an 85% or higher – seating will be based on your honors Biology grades **ONLY** and will be limited to the top 25 cadets who request the course.

**AP Physics** – successful completion of Honors Chemistry with an 85% or higher

**AP Computer Science A** – Cadets are identified by the State for this online AP course based on PSAT10 test results. *This is a 100% online course offered outside of the school day.*

**AP Microeconomics**– This course is open to 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> grade cadets who wish to challenge themselves in a college level course. Priority will be given to rising 10<sup>th</sup> grade cadets who have successfully completed their HONORS civics course with an 90% or higher or earned a 95% or higher in CP Civics. 11<sup>th</sup> and 12<sup>th</sup> graders who have earned a 90% or higher in any history/social studies honors course are also eligible.

**AP Macroeconomics** – successful completion of AP Microeconomics

**AP US History *NEW!*** - successful completion of an Honors Level social studies course with a final grade of 90% or higher.

**AP Spanish Language and Culture *NEW!*** – successful completion of Spanish III with a final grade of 90% or higher OR Spanish IV with a final grade of 90% or higher.

### **Dual Enrollment Courses (DTCC & WILMU)**

The cooperating college program sets the admission requirements for all dual enrollment courses and they cannot be negotiated. Cadets **may not** move from the College Prep (CP) level to Dual Enrollment unless specifically noted – cadets must successfully complete an honors level course (in the appropriate content area) with a 90% or higher to be eligible for dual enrollment. ***See the course descriptions below for specific details about prerequisites for each dual enrollment course.*** The following dual enrollment courses are offered at DMA for potential college credit:

***Composition II (ENG102)*** - This college course is designed to prepare cadets with the writing, research and speaking skills needed for college and beyond. Academic writing and reasoning are mastered for implementation in all college and career disciplines, and to foster lifelong learning.

**Prerequisite:** Successful completion of ENG 101 with an 80% or higher

#### ***Anatomy & Physiology BIO 120***

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.

**Pre-requisite:** Cadets must have a cumulative weighted GPA of at least a 3.0 and successful completion of an honors science course with a 90% or higher.

***US History: Post Civil War (HIS112)*** - This course surveys United States history through 1877 to present and covers political, social, cultural, and economic factors that shaped life in the United States.

**Pre-requisite:** Cadets must have a cumulative weighted GPA of at least a 3.0.

***World History II (HIS210)*** - This course surveys world history from the sixteenth century to the present. Topics include political, social, economic, and cultural developments that shape the patterns of life on the African, American, Asian, and European landmasses.

**Pre-requisite:** Cadets must have a cumulative weighted GPA of at least a 3.0 and successful completion of an honors level social studies class with a 90% or higher.

***Principles of Management (BBM201)*** - Effective managers are essential to any organization's success. Managers must pay attention to internal and external factors related to their organization. Managers need to develop specific competencies relating to the functions of management, which are planning, organizing, leading, and controlling. Competencies include communication skills, planning and administration, promoting teamwork, strategic initiatives, global awareness, and self-management.

**Pre-requisite:** Cadets must have a minimum cumulative weighted GPA of 2.75 or higher and successful completion (90% or higher in their last business course) or concurrent enrollment in Entrepreneurship.

### **Dual Enrollment Costs**

DMA will cover the costs of textbooks for cadets enrolled in dual enrollment courses. If a cadet would like to have a textbook for future use, they should purchase their own copy. This would allow them to write in and highlight in the textbooks. This is entirely optional as a textbook will be provided for classroom/home use but must be returned at the completion of the course. Cadets will pay for dual enrollment courses based on the number of potential credits. All dual enrollment courses for the 2025-2026 school year have the potential for cadets to earn three (3) credit hours. The cost per credit hour, not course, will be \$75.00. Cadets will receive invoices from DMA following the conclusion of the drop/add period. Grant funds are available for cadets who qualify for free or reduced lunch. Credit will be earned based on cadet performance in the class, not a single test. Please see the Dean of Instruction if you think you qualify for a reduced fee for the course.

***For comparison purposes, here is the cost (per credit hour) for the local colleges:***

Dual Enrollment @ DMA	\$75.00 per credit hour
DTCC On-campus Enrollment	\$152.50 per credit hour
Wilmington University	\$419.00 per credit hour
University of Delaware	\$608.33 per credit hour

### **Delaware Technical & Community College Drop/Add policy**

Cadets wanting to drop a course must have a conversation with DMA's Dean of Instruction, and provide written consent from their parent/guardian before a Dual Enrollment course will be dropped from their schedule. The Dean of Instruction will assist cadets with notifying DTCC of the decision. The following guidelines apply: Courses dropped during the first two weeks of the semester will not show on the student's transcript and no grade will be recorded. From the third week through the tenth week of the semester, students may drop a course(s) and receive a "W" grade on their transcript. After the tenth week, courses may not be dropped. Student requests to drop a course(s) after the tenth week, with a grade of "W" for the course, will be considered only under extraordinary circumstances, which must be documented and approved by the DTCC Dean of Instruction or the Dean's designee. Students who do not officially drop a course(s) according to these guidelines, but stop attending the course will receive an Unofficial Withdrawal grade (U) for the course. An Unofficial Withdrawal grade is calculated in the cumulative index as 0 quality points.



## DMA COURSE OFFERINGS

### English/Language Arts

Introduction to Literature  
 World Literature  
 American Literature  
 British Literature  
 Exploring Murder, Mystery and Mayhem  
 Lyricists and Linguists (poetry)  
 Creative Writing **NEW!**  
 AP Seminar (10) **NEW!**  
 AP English Lang & Composition **NEW!**  
 Dual Enrollment ENG102

### Mathematics

Algebra I  
 Geometry  
 Algebra II  
 Pre-Calculus  
 Honors Calculus  
 Honors Statistics  
 Contemporary Mathematics  
 AP Precalculus **NEW!**  
 AP Calculus AB  
 AP Calculus BC

### Performing Arts

Marching Band  
 Concert Choir  
 Intro to Filmmaking **NEW!**  
 Piano I or II  
 Musical Theater

### Military Science

Naval Science I  
 Naval Science II  
 Naval Science III  
 Naval Science IV  
 Leadership Academy **NEW!**

### Other Courses

Optimistic Mindset  
 Public Speaking  
 Driver's Education  
 Physical Education  
 Health (online only)

### Social Studies

Civics & Geography  
 U.S. History I & II  
 Dual Enrollment HIS112  
 World History  
 Real World Economics  
 Contemporary Political Issues  
 Intro to Psychology  
 AP U.S. History **NEW!**  
 Dual Enrollment HIS210  
 AP Microeconomics  
 AP Macroeconomics

### Science

Integrated Science 9  
 Biology  
 Chemistry & Honors Chem 2 **NEW!**  
 Physics  
 Engineering Design  
 Human Anatomy & Physiology  
 Animal Science  
 Honors Anatomy I  
 Honors Anatomy II  
 AP Biology  
 AP Physics  
 Dual Enrollment BIO120 **NEW!**

### 10<sup>th</sup> Gr. ½ Credit Electives

Forensics  
 Food Science  
 Marine Science

### World Languages

Spanish I  
 Spanish II  
 Spanish III  
 Honors Spanish IV  
 AP Spanish Lang & Culture **NEW!**

### Business CTE Program

Business Information Tech  
 Global Business Economics  
 Entrepreneurship  
 BBM201 Princ of Management  
 AP Computer Science A

<b>CURRICULUM AREA (Honors/AP in BOLD)</b>	<b>9<sup>TH</sup> GRADE</b>	<b>10<sup>TH</sup> GRADE</b>	<b>11<sup>TH</sup> GRADE</b>	<b>12<sup>TH</sup> GRADE</b>
English (4 Credits Required)	CP English 9 <b>Honors English 9</b>	CP World Literature <b>Honors World Lit</b> AP Seminar (10)	CP American Literature <b>Honors American Lit</b> AP English Lang & Composition	CP British Literature <b>Honors British Lit</b> DTCC ENG102
Math (4 Credits Required)	CP Algebra 1 <b>Honors Geometry</b> <b>Honors Algebra 2</b>	CP Geometry <b>Honors Algebra 2</b> <b>Honors Pre-Calculus</b> AP Precalculus	CP Algebra 2 <b>Honors Pre-Calculus</b> AP Precalculus <b>Honors Calculus</b> AP Calculus AB	CP Pre-Calculus Contemporary Math <b>Honors Statistics</b> <b>Honors Calculus</b> AP Precalculus AP Calculus AB AP Calculus BC
Science (4 Credits Required)	CP Integrated Science 9 <b>Honors Biology</b>	CP Biology <b>Honors Chemistry</b>	CP Chemistry <b>Honors Physics</b> AP Biology DTCC BIO120 <b>Honors Chemistry II</b>	CP Physics CP Engineering Design CP Anatomy & Phys. CP Animal Science <b>Honors Anatomy I</b> <b>Honors Anatomy II</b> DTCC BIO120 AP Physics <b>Honors Chemistry II</b>
Social Studies (4 Credits Required)	CP Civics & Geography <b>Honors Civics and Geography</b>	CP US History I <b>Honors US History I</b> AP Microeconomics	CP US History II <b>Honors US History II</b> AP Macroeconomics DTCC HIS112 AP US History	CP World History <b>Honors World History</b> DTCC HIS210

CURRICULUM AREA	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
Spanish (World Languages)	Spanish 1	Spanish 2	Spanish 3	Honors Spanish 4 <b>AP Spanish Lang &amp; Culture</b>
CTE Pathway	N/A	Business Information Technology	Global Business Economics	Entrepreneurship <b>BBM 201</b>
Naval Science	NS1	NS2	NS3	NS4
Elective Options  <i>The majority of 12<sup>th</sup> grade science/math options can also be taken as an elective</i>	Physical Education Marching Band Concert Choir	<p><b><u>Pick 1:</u></b> Food Science, Forensics, Marine Science</p> <hr/> <p>Online Health Driver's Education</p> <hr/> <p>Marching Band Concert Choir AP Microeconomics</p>	<p>Intro to Filmmaking Marching Band Concert Choir Creative Writing Contemporary Political Issues (CPI) Real World Economics Intro to Psychology Optimistic Mindset <b>AP Microeconomics</b> <b>AP Macroeconomics</b> Leadership Academy Murder, Mystery and Mayhem Lyricists and Linguists Piano I &amp; II Musical Theater Public Speaking AP Computer Science</p>	<p>Intro to Filmmaking Marching Band Concert Choir Creative Writing Contemporary Political Issues (CPI) Real World Economics Intro to Psychology Optimistic Mindset <b>AP Microeconomics</b> <b>AP Macroeconomics</b> Leadership Academy Murder, Mystery and Mayhem Lyricists and Linguists Piano I &amp; II Musical Theater Public Speaking AP Computer Science</p>

## **ENGLISH/LANGUAGE ARTS**

### **Introduction to Literature**

Cadets learn to analyze literature and to understand the author's purpose and techniques. They develop their vocabulary skills in preparation for PSATs. In addition to improving reading and grammar skills, emphasis is placed on the writing process which includes prewriting techniques, organizing material, creating first drafts, editing, and publishing the corrected final version.

### **World Literature**

This course is a survey of thematically-integrated English and multicultural literature. Cadets learn the relationship between the writing of a literary period and the historical and social forces that characterize that time. The course focuses on both non-fictional and fictional genres with the major literature units being Ibsen's *A Doll's House*, Shakespeare's *Julius Caesar*, Camus' *The Guest*, and Golding's *Lord of the Flies*. There are frequent and varied writing experiences exposing the cadets to different written genres, such as; comparative analysis, literary analysis, reflection papers, and argumentative writing. In composition, the cadets develop skills in writing effective thesis statements, learning how to incorporate evidence to support their arguments, using basic research techniques, evaluating the credibility of sources, and formatting in MLA. Cadets continue to increase their vocabulary skills in preparation for SATs.

### **American Literature**

In this 11th-grade American Literature course, students will embark on a captivating journey through the realms of dystopian literature, exploring its themes, characters, and social commentary. This course will not only delve into the intricacies of dystopian novels, short stories, and poems but also juxtapose them with traditional American texts from pivotal time periods, including the American Revolution, the Romantic Era, and the Gothic tradition. Through critical analysis and comparative study, students will gain a deeper understanding of the evolution of American literature and its reflection of societal values, fears, and aspirations. Throughout the course, students will engage in rigorous literary analysis, critical thinking, and discussion-based activities aligned with Common Core State Standards for English Language Arts. They will develop skills in textual interpretation, evidence-based writing, and oral communication, culminating in assessments that require them to synthesize their understanding of both traditional and dystopian literature.

### **British Literature**

British Literature is a survey course of British Literature and its cultural contexts. Cadets will develop a deeper understanding of British culture, from its earliest beginnings of the English civilization through the modern era, by examining works from a vast variety of British writers and time periods. Cadets will also make relevant, modern-day connections to the texts by relating the studied themes, motifs, and styles to contemporary works of all 21<sup>st</sup> century mediums. Cadets will also become well-versed in the research and writing process. They will gather extensive knowledge in all parts of the research and documentation process and will be required to submit a Senior Research Paper.

**Exploring Murder, Mystery, and Mayhem**

This English elective course is designed to engage students in the captivating world of murder, mystery, and mayhem through literature, documentaries, podcasts, live theatre, and film. The course will explore various genres, including detective fiction, psychological thrillers, classic courtroom dramas, and studies on true crime, while developing critical thinking, analytical, writing, speaking, and research skills. Students will delve into the works of renowned authors, analyze plot structures, dissect character motivations, and explore the socio-cultural aspects of crime.

**Lyricists and Linguists**

This Elective course is open to 11th and 12th grade students to provide both a textual and real-life look at how the music and lyrics of the music of their favored and most influential artists of today have been impacted and shaped by the poetry and rhyming prose of the past. This journey will include the introduction of numerous noteworthy authors, important literary elements, and various ways to analyze thematic poetry. Throughout the course, cadets will learn to demonstrate proficiency through literary analysis of poetry and stanza structure, oral presentation of their own modern musical comparisons of how today's music compares to the prose of each thematic unit, and culminate in writing of their own themed poetry. Goals for the semester: Cadets will obtain essential college and career-ready skills in reading, writing, speaking, and listening. Cadets will meet or exceed the Common Core State Standards (CCSS) for English Language Arts. Cadets will learn, and improve upon, a variety of writing skills, reading comprehension skills, and grammar concepts.

**Creative Writing NEW!**

This elective course would focus on strengthening students' storytelling abilities and writing skills while using real life, personal experiences as the foundations for their stories. Students would be tasked with writing a series of short stories while learning to employ literary devices such as dialogue, imagery, and character development. Students would also study and model their writing after excerpts from nonfiction narrative texts like Truman Capote's *In Cold Blood*, Mark Bowden's *Black Hawk Down*, and John Krakauer's *Into the Wild*. Sharing their writing and collaborating with peers will be paramount in this class. Students will draft and revise several pieces throughout the year, then select their "best" piece to be included in an anthology of the class's work at the end of the year.

**AP Seminar (10) NEW!**

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. Students learn to investigate a problem or issue, analyze arguments, compare different perspectives, synthesize information from multiple sources, and work alone and in a group to communicate their ideas. Prerequisite:

***Successful completion of Honors English 9 with a final grade of 90% or higher and/or a PSAT 9 total score of 960 or higher***

**AP English Language and Composition NEW!**

AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style. **Prerequisite:** *A final grade of 90% or higher in Honors World Literature or successful completion of AP Seminar*

**Composition II (ENG102)**

Students will explore techniques for conducting research across academic and occupational disciplines. Projects focus on academic research, reasoning, and communication. **Prerequisite:** *Successful completion of ENG101*

**MATHEMATICS****Algebra I**

This is the first course in the mathematics program with a strong focus on Algebra I concepts. In this course, cadets will learn how to perform algebraic manipulation of variable expressions and equations, including the use of absolute value, exponents and radicals. Cadets will learn how to use multiple representations of linear, exponential and quadratic functions to model real life situations and will be able to convert between these representations. Concepts in geometry, statistics, and discrete math are integrated throughout the curriculum, emphasizing the connection between all strands of mathematics. Technology is used on a daily basis to support and improve mathematical understanding. Required for graduation in the State of Delaware.

**Geometry**

This course explores the properties and applications of geometric concepts in both two- and three-dimensional spaces, including surface area and volume calculations. Students will study fundamental geometry principles, coordinate geometry, and transformations. They will apply inductive and deductive reasoning to prove geometric theorems, such as those in triangle congruence. Trigonometry is introduced as students examine the relationship between side lengths and angles in right triangles through trigonometric ratios. Additionally, students will study probability and statistics, focusing on basic probability concepts, two-way tables, and statistical applications. Throughout the course, problem-solving, real-world applications, and logical reasoning are emphasized. This course is required for graduation in the State of Delaware. **Prerequisite:** *Algebra I*

**Algebra II**

Algebra II is a continuation of the skills learned in Algebra I. Algebra II also covers piecewise functions, quadratic functions, general polynomial functions, exponential/logarithmic functions, rational functions, trigonometric functions, radical functions, and sequences and series. Problem solving skills are emphasized throughout, as is use of the graphing calculator to expand modeling techniques. Required for graduation in the State of Delaware. **Prerequisite:** *Algebra I and Geometry*

**Pre-Calculus**

This course is offered to cadets who have successfully completed Algebra II. In pre-calculus, cadets will continue their study of functions and build on their algebra skills, and learn about trigonometry. This course is designed to lay the groundwork for Calculus and college math classes." There will be a focus on linear, polynomial, rational, exponential, logarithmic, and trigonometric functions, as well as an introduction to the concept of limits. *Prerequisite: Algebra I, Geometry and Algebra II*

**AP Precalculus**

AP Precalculus prepares students for other college-level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. The course framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science. *Pre-requisite: A final grade of 90% or higher in Honors Algebra II*

**Honors Calculus**

A college preparatory course that will cover the three main concepts of calculus: limits, derivatives, and integrals. The class will expose each student to the techniques of computation and applications to the real world. Upon completion, students will be well prepared for Business Calculus at the college level. **Prerequisite: Pre-calculus**

**Contemporary Mathematics**

Contemporary mathematics includes relevant and practical applications in mathematics as it is commonly employed in today's work force. Students will develop critical thinking and problem solving strategies while incorporating the use of technologies, such as calculators and computers. A wide range of mathematical disciplines are covered, including the distribution of data as an array of plotting concepts and techniques, including histograms, number line plots, box plots, stem-and-leaf plots and scatter plots. Students will learn tracking techniques for time and trends, including measures of center, such as mean, median and mode, and variation, such as percentiles, interquartile ranges, and absolute deviation. The course includes concepts relating to exponential functions, such as compound growth and decay, and three-dimensional shapes, such as spatial visualization, perimeter, area, volume and the Pythagorean Theorem.

**Honors Statistics**

This course is offered to cadets who have successfully completed Algebra II. Honors Statistics is designed for students interested in applying statistical concepts to real-world situations. This course emphasizes not only the theoretical foundations of statistics but also practical applications, with students learning how to collect, analyze, and interpret data in meaningful ways. Through engaging performance tasks, students will explore how statistical methods are used in everyday decision-making, business, science, social sciences, and more. *Prerequisite: Algebra I, Geometry and Algebra II*

**AP Calculus AB**

This course is available to junior or senior cadets who have successfully completed pre-calculus. In AP Calculus AB, cadets will continue to apply the behaviors of linear, polynomial, rational, exponential, logarithmic, parametric, and trigonometric functions to calculus-based problems. This course is designed for the higher level thinker, and is taught with the same rigor as a college level course. Cadets will learn the concepts of limits, derivatives, and integrals. All cadets enrolled in this course are expected to take the College Board's Advanced Placement Calculus AB examination in the spring. ***Prerequisite: A final grade of 90% or higher in Honors Pre-calculus or Honors Calculus***

**AP Calculus BC**

Calculus BC is a college level course that continues to develop the cadet's understanding of Calculus from AB (functions, graphs, limits, derivatives, and integrals) with a focus on advanced techniques of integration, polar and parametric equations, series and sequences, and Taylor and Maclaurin Polynomials. All cadets are expected to take the AP Calculus BC exam at the conclusion of this course.

***Prerequisite: AP Calculus AB***

**AP Computer Science A**

AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. This course will be in-person but much of the content will be provided online. ***Prerequisite: Score of 600 on the math portion of the PSAT 8/9, PSAT 10 or SAT.***

**SOCIAL STUDIES****Civics & Geography**

The course familiarizes the cadets with the American political system. Considerable attention is paid to the three branches of government, how bills become laws, and the political processes involved. The cadets will learn about the US Constitution and important constitutional issues as civil rights, the freedoms guaranteed in the Bill of Rights, and the relevant Supreme Court decisions.

In the Geography portion of the course, the cadets develop an understanding of both the spatial and cultural relationships of the major world realms. The cadets learn how humans adapt to such factors as climate and physical topography. The cadets also develop a working mental map of the political and physical features of the world, and of specific nations. Significant attention will be devoted to current events, political developments and trends.

**United States History I**

This course is designed to provide cadets with the analytical skills and factual knowledge necessary to deal critically with the problems and concepts of U.S. History. The course has cadets practice research and writing skills through writing assignments and projects. They will analyze primary source documents and learn how to interpret different



historical perspectives and learn the social, political and economic changes that have occurred throughout United States History. The course provides a balance between factual knowledge and critical analysis of the major concepts and trends that has defined this nation. It will concentrate on First Encounters (1500s) through the Civil War (1860s)

## **United States History II**

This course is designed to provide cadets with the analytical skills and factual knowledge necessary to deal critically with the problems and concepts of U.S. History. The course has cadets practice research and writing skills through writing assignments and projects. They will analyze primary source documents and learn how to interpret different historical perspectives and learn the social, political and economic changes that have occurred throughout United States History. The course provides a balance between factual knowledge and critical analysis of the major concepts and trends that has defined this nation. It will concentrate on the Reconstruction(1860s) through the present day.

## **World History**

The peoples of the world have had to deal with a number of significant changes to their world view over time: from the rise and fall of empires, from an age of exchange and encounter to the connecting of hemispheres, from isolation to globalization, and from religiously and spiritually oriented societies to a materially - and secularly - oriented one. This course covers major cultural, economic, political, religious, and social events through the past 1500 years of human history. It will provide cadets the opportunity to see how other cultures have developed and lived, connecting events throughout different world regions over time, as well as drawing connections between world events today and corresponding events of the past. This course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies globally.

## **Real World Economics**

Real World Economics offers a hands-on learning experience with plenty of opportunity to prepare for life after graduation. We will explore topics, such as: behavioral economics and personal finance, past financial crises, and the economic impact of global population. Through exploring such topics, cadets will gain a better understanding of how the economy influences major aspects of everyday life.

## **Contemporary Political Issues**

Contemporary Political Issues or C.P.I. is a course centered on the study of events in U.S. History from the end of World War II to Modern Times. Cadets will analyze the key events of this time period to gain an in depth understanding of how these events helped in the shaping of the political, social and economic ideology of our current society. Cadets will be exposed to a variety of resources through their study of one of the most significant time periods in American and World History. All course content is in alignment with the Delaware State Social Studies Standards in History, Economics, Geography, and Civics, along with the Common Core Standards of Reading Literacy in History.

**US History: Post Civil War (HIS112)**

This course surveys United States history through 1877 to present and covers political, social, cultural, and economic factors that shaped life in the United States. **Pre-requisite:** Cadets must have a cumulative weighted GPA of at least a 3.0

**AP US History NEW!**

AP U.S. History is an introductory college-level U.S. history course. Students cultivate their understanding of U.S. history from c. 1491 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. **Pre-requisite: A final grade of 90% or higher in Honors US History I**

**World History II (HIS210)**

This course surveys world history from the sixteenth century to the present. Topics include political, social, economic, and cultural developments that shape the patterns of life on the African, American, Asian, and European landmasses. **Pre-requisite: Cadets must have a cumulative weighted GPA of at least a 3.0 and successful completion of an honors level social studies class with a 90% or higher.**

**Intro to Psychology**

This course serves as an introduction to the field of psychology, designed to provide high school students with a foundational understanding of key psychological concepts, theories, and research methods. Through a combination of lectures, discussions, readings, and interactive activities, students will explore the breadth and depth of psychological inquiry, gaining insights into the complexities of human behavior and mental processes. Students will engage in critical thinking exercises, group discussions, research projects, and presentations to deepen their understanding of psychological concepts and apply them to real-world scenarios. By the end of the course, students will develop a greater appreciation for the complexities of human behavior and the scientific inquiry that underlies the field of psychology, preparing them for further study at the college level.

**Public Speaking**

This public speaking course is designed to equip individuals with the essential skills and strategies needed to excel in interviews of all kinds. Whether you're pursuing a new job opportunity, seeking admission to a prestigious academic program, or pitching a business idea, effective communication is key to making a lasting impression. Students will learn how to craft compelling and concise responses, project confidence through body language and vocal delivery, and effectively communicate their unique value proposition to interviewers. By the end of the course, participants will have honed their interview skills, gained confidence in their ability to articulate their thoughts effectively, and be well-prepared to navigate any interview scenario with poise and professionalism.

**AP Microeconomics**

AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. AP Microeconomics is equivalent to a one-semester introductory college course in economics. ***Pre-requisite: Priority will be given to rising 10th grade cadets who have successfully completed their honors civics course with an 90% or higher or earned a 95% or higher in CP Civics. 11th and 12th graders who have earned a 90% or higher in any history/social studies honors course are also eligible.***

**AP Macroeconomics**

AP Macroeconomics is an introductory college-level macroeconomics course. Students cultivate their understanding of the principles that apply to an economic system as a whole by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like economic measurements, markets, macroeconomic models, and macroeconomic policies. ***Pre-requisite: successful completion of AP Microeconomics with a 80% or***

**SCIENCE****Integrated Science 9**

This course consists of three curricular units designed by the Delaware Science Coalition, which all encompass Energy Across Systems. The units include Introduction to Physical Science, Introduction to Chemistry, and Introduction to Earth Systems. Cadets will be involved in a hands-on and inquiry based classroom activities throughout the three units.

**Biology (REQUIRED)**

Biology is a laboratory science course that covers the study of living things. Biology focuses on the study of life by examining the five fundamental concepts of Inquiry and Scientific Method, From Molecules to Organisms, Ecosystems, Heredity and Biological Evolution. The scientific process and laboratory skills are emphasized along with biology's connections to other scientific disciplines. Students learn scientific writing skills and also examine current biological issues. The foundation of the class is based upon the Next Generation Science Standards. (A ninth-grade honors section is available for cadets who are enrolled in honors algebra I, geometry or algebra II as a 9th grader)

**Chemistry (REQUIRED)**

The course will focus on chemistry as a whole as it covers most aspects of inorganic, organic, nuclear, and biochemical studies while reviewing the chemical basics of scientific methods, gas laws, the atom, the periodic table, chemical bonding, reactions, analysis, and electrochemistry. The course will emphasize laboratory studies with individual and team research. Cadets must have sufficient writing ability to participate in projects to present scientific findings in publishable format.

### Honors Chemistry 2

This course is designed for students who have completed a course in chemistry and are interested in pursuing post-secondary studies in chemistry, biology, biochemistry or other health-related fields. This laboratory-based class will cover 2nd year chemistry topics including thermochemistry, gas laws, solutions, equilibrium, acid-base chemistry, and organic chemistry. Honors advanced chemistry 2 offers an opportunity for students to learn and master some of the basic concepts and skills they will need to be successful in large, lecture style introductory college courses. ***Prerequisites: Minimum grade of 75 in Honors Chemistry or 80 in CP Chemistry***

### Physics

Physics is offered at the CP and Honors level. All physics courses are algebra-based and provide an introduction to the major areas of Physics including mechanics, electromagnetism, sound and light. The Honors course is intended for cadets entering college in any technical area such as engineering, medical, the sciences or construction. The CP course is intended for cadets entering college in a non-technical area and provides skills in problem solving and general understanding of physical phenomenon including cost of energy and renewable energy.

### Engineering Design

Engineering Design is a 1-credit STEM course introducing cadets to the basic principles of the engineering design process, design solutions and basic principles of engineering. Students explore the application of problem-solving and science and design principles to real-world design problems in a collaborative, team-oriented classroom balancing hands-on projects with technical application. Topics of study include design process, technical sketching and drawing, measurement and statistics, dimensions and tolerances, energy and power, materials and structures, control systems and various inquiry-based design projects. Design projects are open-ended and based on real-world problems designed to allow cadets to develop original solutions through their own unique approach.

### Animal Science **NEW!**

Animal Science will cover many aspects of the animal science field. We will learn about a number of different topics about both large and small animal science. The specific topics include: Animal Husbandry (animal care/handling), Types of Livestock & their Uses, Types of Companion Animals, & their Uses, Zoo & Aquatic (Aquarium) Animals, Careers in Animal Science, the Ethical Treatment of Animals, & the importance of animals to society. This course is for anyone interested in learning more about animals, or for anyone looking to eventually enter a career in the animal science field.

### Human Anatomy & Physiology

Human Anatomy and Physiology is a laboratory science course that consists of study of most of the major body systems that maintain homeostasis from anatomical and physiological perspectives. Students explore the body and its functions through an inquiry approach and dissections. This course is introductory, and is recommended for students interested in pursuing a medical career. ***Prerequisite: Successful completion of a biology course.***

### Honors Anatomy I

Honors Anatomy I is a laboratory science course that investigates and studies the structure and function of the human body. Topics covered in this course include Introductory material, Histology and the Integumentary, Skeletal, Muscular and Nervous systems. In addition to case studies, interactive virtual activities, collaboration work and labs, students will engage in dissections of organs. One of the goals in this course is to prepare students with the skills necessary to be successful in future science classes in college and in the medical fields.

### Honors Anatomy II

In Honors Anatomy and Physiology II, students continue to investigate and study the structure and function of the human body. Topics include the Cardiovascular, Digestive, Immune, Endocrine, Respiratory and Reproductive systems. Students will engage in larger-scale labs and dissections in addition to interactive notebooks and labs while strengthening their use of anatomical terminology. The course builds upon the knowledge learned in Honors Anatomy I and continues to prepare students for advanced science courses in college and in the medical fields.

### Anatomy & Physiology BIO 120 **NEW!**

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. ***Prerequisite: Cadets must have a cumulative weighted GPA of at least a 3.0 and successful completion of an honors science course with a 90% or higher.***

### AP Biology

This course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. Cadets accepting the challenge of an Advanced Placement course will be required to actively participate in all lectures and laboratory activities that are conducted during the year. There is an extensive reading requirement associated with this course. Cadets aiming to take AP Biology must successfully complete the assigned summer coursework. All cadets enrolled in this course are expected to take the College Board's Advanced Placement Biology examination in the spring. ***Prerequisites: Successful completion of a Biology course with an 85% or higher – seating will be based on your Biology grades ONLY and will be limited to the top 25 cadets who request the course***

### AP Physics 1

AP Physics 1 is equivalent to a first semester college course in Physics and covers four major areas of study: Linear Dynamics, Rotational Dynamics, Waves & Sound, and Circuit Electricity. Other areas of Physics are introduced for interest and exposure but are beyond the scope of the AP Exam. This course is algebra-based and is intended for students that have not had a prior Physics course or are pursuing careers outside of the pure sciences & engineering. The course designated AP Physics C is calculus-based and is an introductory course for students with prior Physics exposure and who are pursuing careers in the sciences and engineering. Currently AP Physics 1 is offered as a

scheduled class. Independent study may be arranged for the additional content covered in AP Physics C. Both courses include lecture, demonstration, lab exploration and a significant homework commitment. All cadets enrolled in this course are expected to take the College Board's Advanced Placement Physics 1 examination in the spring.

***Prerequisite: successful completion of Honors Chemistry with an 85% or higher AND must have a minimum SAT mathematics score of 500 AND a minimum ERW (English, Reading and Writing) score of 500 by the end of junior year.***

### **Forensics (.5 credit 10<sup>th</sup> grade elective)**

Forensic Science is the application of investigative science in the enforcement of laws within the criminal justice system. This course will serve as a comprehensive introduction to the study of forensic science through the integration of historical examples, case analysis, physical and biological sciences, investigative practices, forensic careers and ethics. Students will study the roles of police officers, medical examiners and forensic laboratory technicians during investigations. The course will focus primarily on the collection and analysis of evidence admissible in a court of law

### **Food Science (.5 credit 10<sup>th</sup> grade elective)**

This course introduces the field of food science and technology with emphasis on the science behind food technology, the importance of food in providing proper nutrition, including their application to health and well-being of humans throughout the life cycle and the role of diet therapy in the prevention and treatment of disease.

### **Marine Science (.5 credit 10<sup>th</sup> grade elective)**

Marine Science is a ½ credit mini-block course focusing on physical and biological aspects of the Earth's oceans and the interactions of humans and the marine environment. Students explore various marine science topics through hands-on inquiry-based activities and labs. Activities are designed to engage student understanding and appreciation of their role in fostering positive relationships with the Earth's oceans and marine ecosystems. Students will gain a deep understanding of how humans interact with and affect the health of our most precious marine resources. Topics of study include: History of Marine Sciences and Ocean Exploration, Theories of the Origins of Life, Energy of Life, Life in the Sea, The Nature of Water, Ocean Currents, Waves and Tides, Plate Tectonics and Bathymetry, Marine Ecosystems, Marine Resources and Pollution and the Health of the Oceans.

### **Optimistic Mindset**

This course will teach you a set of scientifically-validated strategies for living a more satisfying life. Throughout the course, we'll explore what new results in psychological science teach us about how to be happier, how to feel less stressed, and how to flourish more. We'll then have a chance to put these scientific findings into practice by building the sorts of habits that will allow us to live a happier and more fulfilling life.

## **WORLD LANGUAGES**

### **Spanish I**

Spanish I is an introductory course that teaches cadets the fundamental skills necessary to complete the three year Spanish requirement at DMA. Cadets will be introduced to basic present tense grammatical structures and extensive vocabulary related to daily social and school interactions. Cadets will develop a basic level of communication skills. Cadets will be able to communicate in the target language using isolated words, formulaic speech, memorized chunks and contextual/rehearsed dialogs. Cadets will also understand and gain an appreciation for Spanish culture and the benefits of learning a second language.

### **Spanish II**

In Spanish II, cadets continue to develop communication skills (listening, speaking, reading and writing) learning new vocabulary and grammar while reinforcing structures learned in Spanish 1. Emphasis is placed on building complex sentences and reading comprehension with a continuation of the present tense, developing pronoun use, appropriate use of idiomatic expressions and preterit tense conjugations. The class is conducted in Spanish to encourage our cadets to follow directions and interact in the target language. The course also continues to expose Cadets to Spanish language and culture through an overview of geography, celebrations and daily activities. ***Prerequisite: Spanish I or Departmental Approval***

### **Spanish III**

In Spanish III, cadets continue to develop proficiency in the target language through learning new vocabulary and grammar while reinforcing structures learned in Spanish I and II. Emphasis is placed on reading comprehension and presentational writing with an introduction to the imperfect, future and subjunctive tenses. The class is conducted in Spanish to immerse our cadets in the target language. The course also continues to expose Cadets to Spanish language and culture through an overview of geography, celebrations and daily activities. ***Prerequisite: Spanish II***

### **Honors Spanish IV**

Spanish IV is an upper level elective course for college bound cadets. Cadets will be exposed to a variety of literary texts, internet articles and video recordings. Cadets demonstrate proficiency in the target language through learning new vocabulary and grammar while reinforcing structures learned in Spanish I, II and III. Emphasis is placed on written and oral communication with an introduction to subjunctive, conditional and compound verb tenses. ***Prerequisite: Spanish III, with an 80% or higher.***

### **AP Spanish Language and Culture**

AP Spanish Language and Culture is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and

global challenges. *Prerequisite: Successful completion of Spanish III with a final grade of 90% or higher OR Spanish IV with a final grade of 85% or higher.*

### **PHYSICAL EDUCATION, HEALTH & STUDY SKILLS**

#### **Physical Education (REQUIRED)**

The overall goal of the Physical Education and Health program at DMA is to provide every cadet with a positive personal attitude, to place emphasis on the need for physical activity, and to stress how it correlates to an individual's total health. Cadets will obtain knowledge and skills necessary for the development of a healthy, physically-active lifestyle, and an understanding that physical activity can provide enjoyment, challenges, self-expression, and social interactions that will last a lifetime. Course content will follow the State of Delaware curriculum standards and guidelines. The Physical Education program will stress biomechanics, continued large and small motor skills learning, social psychology within athletics, self-management, as well as, strength and conditioning.

#### **Health**

The Health class is offered as an online course through Educere, Inc (Founders Education). This course introduces cadets to aspects of physical, emotional, and personal health. Issues about Anatomy, Physiology and Family Life and Human Sexuality will also be discussed.

### **DRIVER'S EDUCATION**

The State of Delaware, Department of Education approved Driver Education course is offered to all 10<sup>th</sup> graders (in order of birth date) at DMA. The curriculum is developed by the State and administered by a State Certified driving instructor. Students will receive thirty (30) hours of instruction in the classroom daily during one of two mid-day mini-blocks. Students will then receive seven (7) hours of instruction behind the wheel and seven (7) hours of active observation in the "in-car" training. Students will miss one (1) academic class during that marking period. The State awards one (1) academic credit hour for this course. Upon successful completion of the course, the student along with a parent or guardian can exchange the completion certificate for a Delaware Graduated Driver License (GDL) at Department of Motor Vehicles (DMV). A written test or driving test is NOT required for the student to obtain their GDL license at DMV. In the event there are not enough seats for all 10<sup>th</sup> graders to complete the course during the school year, there is an option for completion during the summer following sophomore year at no cost to the cadet. *Prerequisites: Cadets must be a 10<sup>th</sup> grader and passing all but one subject at the start of the course. If they do not meet this requirement, they will not participate in Driver's Education during that term.*

### **BUSINESS CTE PROGRAM OF STUDY**

#### **Business Information Technology (BIT)**

Business Information Technology (BIT) provides students with an understanding of the role of ethics across professions and provides an overview of information technology (IT)



today. Students will consider contemporary IT issues such as security and privacy, the effects of IT on society and the individual, and technological inequality. A culminating project will enable students to demonstrate the knowledge and skills they have developed in consideration of a serious ethical issue that the IT industry faces today.

### **Global Business Economics (GBE)**

Global Business Economics (GBE) introduces economics as it pertains to supply, demand, profit, costs, and markets with a differentiation between microeconomics and macroeconomics. This course focuses on the relationship of labor and business and provides a broad overview of the global economy. Cadets will explore the culture, economics, and the fundamentals of international trade, investments, and finance. Integrated culminating projects provide opportunities for students to analyze relevant financial information and assess specific countries for the potential risks and benefits of doing business globally. ***Prerequisite: Business Information Technology (BIT)***

### **Entrepreneurship**

Entrepreneurship (ENT) introduces students to the concept of service as a critical component of a business and an understanding of the substantial role played by entrepreneurs in the national and global economy. Students will understand that the principles of great customer service have wide-ranging implications for all professional endeavors. In addition, students will learn the skills necessary to become entrepreneurs along with the attitudes, characteristics, and techniques that successful entrepreneurs possess. A culminating project provides the opportunity for students to research the market and develop a business plan. Entrepreneurship is the final course in the Business Information Management pathway. The intended purpose of the pathway is to provide cadets with critical career knowledge through a series of work-based learning activities that are conducted in school, as well as outside the classroom through a 120-hour paid summer internship for those who wish to obtain a nationally recognized certification at the conclusion of the pathway. Completion of the program is validated with a NAFTrack Certification, NAF's student certification assessment system. AOBIM courses are designed to introduce students to a wide array of careers such as general and operations managers, purchasing managers, business operations specialists, and computer information systems managers as they prepare for the eventual entry into the workforce. ***Prerequisite: Business Information Technology (BIT) and Global Business Economics (GBE)***

**Principles of Management (BBM201)** - Effective managers are essential to any organization's success. Managers must pay attention to internal and external factors related to their organization. Managers need to develop specific competencies relating to the functions of management, which are planning, organizing, leading, and controlling. Competencies include communication skills, planning and administration, promoting teamwork, strategic initiatives, global awareness, and self-management. **Pre-requisite: Cadets must have a minimum cumulative weighted GPA of 2.75 or higher and successful completion (90% or higher in their last business course) or concurrent enrollment in Entrepreneurship.**

## **PERFORMING ARTS**

### **Marching Band**

Marching Band is a performance-based class that meets during the first semester. Performances, such as football games, competitions, and parades, will be observed as grades. Cadets also receive points for in-class and after school rehearsal time as well as through skill based learning assessments. All performances are announced a minimum of 3 weeks in advance and are mandatory unless otherwise noted. At the conclusion of the fall competitive season, focus shifts to improving reading and performance skills as well as preparation for spring parades and future programming. The band participates in festivals and other travel performance opportunities every year. A 2-week mandatory band camp is held the 2nd and 3rd week in August in order to prepare for the marching season. **Performances and rehearsals (including summer band camp) outside of class are REQUIRED for successful completion of this course.**

### **Concert Choir**

Concert Choir is a performance-based class that meets all year long. Performances, including two concerts, graduation, school ceremonies and visits to local nursing homes are observed as grades. Participation in these performances earn cadets Unit Service and/or Community Service Hours. If performances and activities are held during non-school hours, the dates are published at least three weeks in advance and cadets are expected to participate. Cadets earn points for in-class rehearsal time, performances and are assessed on music skills taught during class. No previous choir experience is required. Cadets who enroll in choir are eligible for yearly music department trips with the DMA Music Association. Participation in the winter & spring concerts held outside of school hours is **REQUIRED for successful completion of this course. Performances and rehearsals outside of class are REQUIRED for successful completion of this course.**

### **Piano I and II**

This course covers all aspects of playing piano including reading sheet music, music theory, aural skills, and proper piano technique. By the end of the course, each cadet should be able to look at a new piece of music and use their knowledge and skills to decode the notation and play it. Class periods are split between music theory and individual practice time. This practice time is to prepare for regular summative assessments where cadets perform for the class. Cadets who successfully complete Piano I, are eligible for enrollment in Piano II. Piano II cadets continue learning past where Piano I finishes. They are assigned individualized lessons and work independently at their own pace.

### ***Musical Theater* *NEW!***

This course invites students backstage to learn all the secrets of musical theater. Cadets will develop a comprehensive understanding of the art form, its history, and its impact on American culture. Throughout the course, cadets will have the opportunity to analyze and interpret iconic musicals by studying their themes, their storytelling techniques, and the collaborative efforts of composers, lyricists, directors, and choreographers. Additionally, students will engage in lessons on singing, acting and dancing. Through these hands-on

experiences, cadets will hone their ability to portray characters and deliver compelling performances on stage.

## ***Introduction to Filmmaking* *NEW!***

This course introduces cadets to film through analysis of form and style. Cadets will learn about camera techniques, editing software, film history, and the film industry. In class, we will watch culturally significant films to break down their camerawork, storytelling, and artistry to better inform our own understanding and craft our own film projects. The course features several opportunities to form a one, two, or three-person film crew and create your own films. The class culminates in its final project, a short film.

## **NAVAL SCIENCE**

All DMA cadets are members of the NJROTC Corp of Cadets and are required to actively participate in Naval Science program. Uniform and grooming standards are required any time you are wearing a DMA uniform.

### **Naval Science I**

Naval Science I introduces cadets to the precepts of citizenship, the elements of leadership, and the value of scholarship in attaining life goals. The course is also designed to engender a sound appreciation for the heritage and traditions of the United States of America with focus on the historical significance of sea power. An emphasis on the development, in each Cadet, of a sense of pride in his/her community, school, unit, associates, and self is a predominant theme throughout the course. These elements are developed from a fundamental level. Participation in numerous extra-curricular activities and field trips sponsored by the NJROTC, is highly encouraged.

### **Naval Science II**

Naval Science II builds on the general introduction provided in Naval Science I and further develops the traits of citizenship and leadership in cadets. It will introduce cadets to the technical areas of naval science study and will engender a deeper awareness of the vital importance of the world oceans to the continued well-being of the United States. Participation in numerous field trips, though not required, is highly encouraged.

### **Naval Science III**

Naval Science III further develops the trait of leadership in cadets and introduces cadets to the vital importance of military justice and international law. Advance instruction in areas of astronomy, meteorology, and navigation skills will compliment instruction in sea power, national security, and naval history. Hands on leadership skills will be developed through cadet involvement in teaching new cadet drill, motivating them in proper uniform care, and managing unit activities. Participation and leadership in extra-curricular activities sponsored by the NJROTC unit, though not required, will be very highly encouraged.

## Naval Science IV

Naval Science IV culminates the Naval Science Leadership experience. The course work includes instruction in theoretical and applied aspects of leadership, training, and evaluation of performance. Cadets are taught the techniques to create motivation, to develop goals and activities for a work group, and the proper ways to set a leadership example. The practicum part of the course focuses primarily on practical leadership techniques and implementation. The intent is to assist seniors in understanding leadership and improving their leadership skills by putting them in positions of leadership in the NJROTC unit, under supervision, then helping them analyze the reasons for their varying degrees of success throughout the year. This course is limited to those cadets who have completed the first three Naval Science courses.

## Leadership Academy

Leadership Academy is designed to give the learner an introduction to topics in self-awareness, communication, ethical decision-making, strengths-based team building, and Naval Leadership. Additionally, the curriculum is closely linked to the Navy Core Values of Honor, Courage, and Commitment. Naval Science Instructors will continuously challenge the cadets to align their personal values to the Navy Core Values while growing and developing cadets into the best possible military and non-military leaders post high school. ***Required for any cadet who enters DMA after 10<sup>th</sup> grade without any JROTC credits from their previous school.***

***Course options are subject to change based on teacher needs and cadet requests***