

2021-2022 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 no 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 those cadets who require more time or assistance in order 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 2020):

- We have graduated 1,838 cadets
- Our graduates have earned a combined \$127,022,000 in scholarship monies
- 86% of our graduates go on to a 2-year or 4-year college program
- 11% enlist in the military after graduation
- 3% go directly in to 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 include the Delaware Department of Education Requirements –

English	4 credits	Electives	3.5 credits
Social Studies	4 credits	Health & Physical Ed.	1.5 credits
Mathematics	4 credits	Naval Science	3 credits
Science	4 credits		
World Language	3 credits		

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: <http://regulations.delaware.gov/AdminCode/title14/500/505.shtml#TopOfPage>

5.0 Credit Requirements Beginning with the Graduation Class of 2019

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 in order 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 Science course requirements. The student shall complete a Biology course as one of the Science credits.

5.1.3 The student shall complete a U. S. History course as one 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 Specific Graduation Requirements – these are in addition to the State of Delaware requirements:

- Cadets must earn a minimum of three (3) credits in Naval Science
- Cadets must earn a minimum of three (3) credits in a World Language (One more than the state requirement)

Quality Points (by type of class)

DMA Grading Scale:

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

	College Prep	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

DMA Report Cards are generally issued within **five** business days of the close of the semester. Please check the DMA school calendar (demilacad.org/events.htm) for exact dates. Academic Progress Reports will be sent home to parents after the fourth week of each marking period. All report cards and interim reports reflect the 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 students from other schools who may have a different grading scale. 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 course due to a documented learning issue. Additionally, conferences may be held to address such events as medical problems or a documented family crisis. Due dates for required work may be extended to allow the student to make up work within an agreed time limit.

Granting Credit

Cadets only receive credits for courses successfully completed. Granting course credit requires a passing final grade (66% or higher) and the satisfactory completion of all major course requirements as well as attendance requirements. 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. The recovery credit does not replace the original grade but the new 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 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 where they earned below a 66% during the academic year. Credit Recovery may be accomplished by attending summer school at the cadet's district of residence, taking a course at a credit recovery school or a correspondence or online school with approval of the Dean of Cadets and school administration. A certified letter is sent at the end of the school year to any underclassmen cadet who has failed a course. Seniors who fail a first semester course will get a letter in February as well. This letter includes directions for registering for and completing recovery coursework All recovery credit coursework must be completed by **August 10th**. Credit recovery questions can be directed to Mrs. Certesio at debra.certesio@dma.k12.de.us.

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 level math/science courses based on the Red Clay end of course assessment results. Cadets will be considered for honors level English and Social Studies courses based on DMA placement testing. The following 9th grade honors courses will be available for qualified cadets:

- Honors English Composition
- Honors Civics and Geography
- Honors Biology
- Honors Algebra I (or higher depending on Middle School curriculum)

Cadets may request to enter the honors program after 9th grade for all core content areas 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, they must maintain an 80% or higher in the honors course to remain in the honors track.

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.

AP Calculus AB – successful completion of Honors Pre-calculus with an 85% or above OR successful completion of Honors Calculus.

AP Calculus BC – successful completion of AP Calculus BC

AP Biology – 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 30 cadets who request the course.

AP Physics – 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.

AP Computer Science A – Cadets are identified by the State for this online AP course based on PSAT10 and PSAT/NMSQT test results.

Every cadet enrolled in an Advanced Placement course is required to take the College Board assessment at the end of the school year. The test registration fees are the responsibility of the cadet and financial assistance is available for cadets who qualify for free or reduced lunch.

DELAWARE TECH DUAL ENROLLMENT COURSES

DTCC sets the admission requirements for all dual enrollment courses and they cannot be negotiated BY DMA. Cadets may use SAT scores, an [Accuplacer](#) test score or their high school GPA (must have completed sophomore year) to be eligible for admission to a DTCC dual enrollment course. DMA policy states that a cadet **may not** move from the College Prep (CP) level to Dual Enrollment – cadets must successfully complete an honors level course (in the appropriate content area) to be eligible to enroll or test for dual enrollment. The following DTCC courses are offered at DMA for potential college credit:

Critical Thinking and Academic Writing (ENG101) - This college 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.

Prerequisite: 3.0 cumulative GPA or successful completion (with an A or B) of a previous college course

Composition and Research (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: ENG 101

US History: Pre Civil War (HIS111) - This course is a survey of colonial America and United States history through 1877. The course covers political, social, cultural, and economic factors that shaped the pattern of life in the United States through the period of Reconstruction.

Prerequisite: 3.0 cumulative GPA or successful completion (with an A or B) of a previous college course

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.

Prerequisite: 3.0 cumulative GPA or successful completion (with an A or B) of a previous college course

NEW! General Psychology (PSY121) - 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.

Prerequisite: 3.0 cumulative GPA AND successful completion (with an A or B) of an honors level or college-level course

NEW! *Intro to Criminal Justice (CRJ101)* - This course provides an examination of the history and philosophy of the criminal justice system. The structure and function of law enforcement and the judicial and correctional systems are compared and contrasted with an overview of law and order issues facing the federal, state, and local agencies. Public service careers in the criminal justice system are surveyed.

Prerequisite: 3.0 cumulative GPA AND successful completion (with an A or B) of an honors level or college-level course

WILMINGTON UNIVERSITY DUAL ENROLLMENT COURSES

In a new partnership with Wilmington University, we will be offering a dual enrollment business course for those seniors who will be completing the NAF AOBIM or Academy of Business Information Management Pathway (3 courses). If you choose to attend Wilmington University after graduation, you have the potential to enter Wilmington University with a total of 15 credits already earned – 12 for completing the NAF pathway and 3 credits for completing the BBM201 dual enrollment course.

NEW! *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.

Prerequisite: 2.75 cumulative GPA AND successful completion (with an A or B) of an honors level or college-level course. Cadets must be enrolled in or have successfully completed the Entrepreneurship (AOBIM level 3 course) class at DMA with a final grade of B or better

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 2021-2022 school year have the potential for cadets to earn three (3) credit hours. The cost per credit hour will be \$70.00. 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.

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

ALL 2021-22 Dual Enrollment @ DMA	\$70.00 per credit hour
DTCC On-campus Enrollment	\$152.50 per credit hour
Delaware State University	\$293.00 per credit hour
Wilmington University	\$381.00 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 notify 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
Studies in Drama
Journalism I - III
Dual Enrollment ENG101 (3)
Dual Enrollment ENG102 (3)

Mathematics

Algebra I
Geometry
Algebra II
Pre-Calculus
College Math
Statistics
Honors Calculus
AP Calculus A/B
AP Calculus B/C

Performing/Fine Arts

Marching Band
Concert Choir
Introduction to Theater Arts
Piano Fundamentals I
Piano Fundamentals II
Music In The Movies

Military Science

Naval Science I
Naval Science II
Naval Science III
Naval Science IV
Leadership Academy (LEAD)

Business CTE Program

Business Information Tech
Global Business Economics
Entrepreneurship
Dual Enrollment BBM201

Driver's Education

Driver's Education

Social Studies

Civics & Geography
Applied Economics
U.S. History
World History
Real World Economics
Modern U.S. History
Sports Psychology
Dual Enrollment HIS111 (3)
Dual Enrollment HIS210 (3)

Dual Enrollment CRJ101
Dual Enrollment PSY121

Science

Integrated Science 9
Biology
Chemistry
Physics
Anatomy and Physiology
Honors Anatomy I
Honors Anatomy II
Environmental Science
Aeronautical Engineering
AP Biology
AP Physics

10th Grade .5 Credit:

Intro to Engineering
Intro to Forensics
Intro to Food Science

World Languages

Spanish I
Spanish II
Spanish III
Pre-AP Spanish III
Spanish IV

Gym & Health

Physical Education
Military Fitness
Health (offered online only)

CURRICULUM AREA (Honors/AP in BOLD)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
English (4 Credits Required)	English 9 OR Honors English 9	World Literature OR Honors World Lit	American Literature, OR Honors American Lit DTCC ENG101	British Literature, OR Honors British Lit DTCC ENG102
Math (4 Credits Required)	Algebra 1 OR Honors Geometry Honors Algebra 2	Geometry OR Honors Algebra 2 Honors Pre-Calculus	Algebra 2 OR Honors Pre-Calculus Honors Calculus AP Calculus AB	Pre-Calculus College Math Statistics OR Honors Calculus AP Calculus AB AP Calculus BC
Science (4 Credits Required)	Integrated Science 9 OR Honors Biology	Biology OR Honors Chemistry	Chemistry OR Honors Physics AP Biology	Physics Environmental Science Anatomy & Physiology Aeronautical Engineering OR Honors Anatomy I Honors Anatomy II AP Physics
Social Studies (4 Credits Required)	Civics & Geography OR Honors Civics and Geography	Applied Economics OR Honors Applied Economics	US History OR Honors US History DTCC HIS111	World History OR Honors World History DTCC HIS210

Spanish (World Languages)	Spanish 1	Spanish 2	Spanish 3 OR Pre-AP Spanish III	Spanish 4 OR AP Spanish
CTE Pathway	-	Business Information Technology	Global Business Economics	Entrepreneurship <i>AND</i> BBM 201*
Naval Science	NS1	NS2	NS3	NS4
Elective Options	Marching Band Concert Choir Science Olympiad Leadership Academy	Food Science Forensics <u>OR</u> Engineering <hr/> Marching Band Concert Choir Science Olympiad Journalism 1 Leadership Academy	Piano Fundamentals Introduction to Theater Music in The Movies Studies In Drama Marching Band Concert Choir Science Olympiad Journalism 2 Leadership Academy	Piano Fundamentals Introduction to Theater Music in The Movies Marching Band Concert Choir Science Olympiad Journalism 3 Sports Psychology Real World Economics Modern US History D/E Criminal Justice D/E Intro to Psychology Military Fitness Leadership Academy

DMA COURSE DESCRIPTIONS

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. 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. The course focuses on both non-fictional and fictional genres. In composition, the cadets develop skill in writing persuasive essays using the basic techniques of research and MLA formatting. Cadets continue to increase their vocabulary skills in preparation for SATs.

American Literature

In this course, cadets will broaden their understanding of what it means to be an American by experiencing literature from America's earliest beginnings through modern day with a balance of both non-fiction and fictional texts. The sampling of literature also includes a broad sampling of voices that not only demonstrates our commonality, but the diversity that defines us as a country. The course focuses on critical thinking in response to literature, as well as, emphasizes argument analysis. evaluation and creation. Cadets will build their repertoire of rhetorical tools to construct and defend their own arguments through the research and the writing process. SAT preparation is addressed through vocabulary practice, exposure to SAT question varieties and review strategies. Finally, it will review essential college- and career- ready skills and knowledge in reading, writing, speaking, and listening.

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 21st 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.

DTCC Critical Thinking and Academic Writing (ENG101)

This college 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

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reinforces the skills necessary to complete academic essays and to respond to diverse texts in meaningful ways.

Prerequisite: 3.0 cumulative GPA or successful completion (with an A or B) of a previous college course

DTCC Composition and Research (ENG102)

This course is designed to prepare cadets with writing, research, and presentation skills needed for college and beyond. Academic writing and reasoning are mastered for implementation in all college and career disciplines, and to foster life-long learning. ENG102 students will access, retrieve, and evaluate data from academic secondary sources needed for effective research writing; they will compose and revise information-based documents for diverse audiences and purposes; and they will use strategies necessary to deliver effective oral presentation(s) for diverse audiences.

Prerequisite: ENG 101

Studies in Drama (elective)

This course introduces you to one of the major genres of literature: drama. We will study the major elements of drama and will be reading plays of varying length and complexity, some tragic, some comic, and some in between. The readings include dramas that originate from various cultures and time periods. We will also read some supplemental writings about these plays. The aim is to expose you to the variety and quality of theater to help you to understand it, to begin to think critically about it, and appreciate it more fully. The plays we will explore are the following: 12 Angry Men – Reginald Rose; Medea – Euripides; Waiting for Godot – Samuel Beckett; Arsenic and Old Lace – Joseph Kesselring; The Importance of Being Earnest – Oscar Wilde; The Glass Menagerie – Tennessee Williams; A Midsummer Night’s Dream – William Shakespeare; Dial ‘M’ for Murder – Friederick Knot; The Curious Incident of the Dog in the Nighttime - Mark Haddon.

Journalism I – III (elective)

In this course, we will use real-life, published products to study the principles and practices of journalism as well as journalism's role in society. Our primary products for this course will be the DMA YEARBOOK (The Porthole) and NEWSPAPER (Scuttlebutt). Techniques, methods, and models guiding the contemporary practice of journalism will be given particular emphasis, and will be implemented in the production of the yearbook and the newspaper. The fundamental skills of a journalist will be introduced, including research and interviewing, fact-checking and editing, style and writing skills, photography, and distribution/business. Guest speakers may include journalists who can speak to specialized areas of journalism. Open to 10 – 12 grades; editorial staff will be selected from the juniors and seniors by the instructor.

Prerequisite: Interested cadets must apply to and be invited into the course.

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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 is designed to emphasize the study of the properties and applications of common geometric figures in two- and three-dimensions, with particular emphasis on triangles, quadrilaterals, and circles and their three-dimensional extensions. It includes the study of transformations and right triangle trigonometry. Inductive and deductive thinking skills are used in problem solving situations, and applications to the real world are stressed. Required for graduation in the State of Delaware.

Prerequisite course: 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 courses: 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. 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 courses: Algebra I, Geometry and Algebra II

College Math

This course is offered for cadets who have successfully completed Algebra II but are not planning to pursue a STEM related major in college. The class will strengthen all areas of the cadet's algebra skills, including number theory, equations and inequalities, and linear and quadratic functions. In addition, algebra concepts not included in Algebra I and II will be covered. The course concludes with personal finance, including taxes, interest, saving and investing. Cadets will be prepared for all college math placement tests upon completion of this course.

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NEW! Statistics

This course is offered to cadets who have successfully completed Algebra II. Upon successful completion of this course, students will be familiar with basic rules of probability and will be able to use them in modeling uncertainty in obtaining and recording data. They will be able to utilize graphical and numerical summaries of data in understanding data generating processes. They will understand the logic of statistical inference and will be able to apply common inferential procedures. Students will be exposed to the computational aspects of statistics as well.

Prerequisite courses: Algebra I, Geometry and 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 course: Pre-calculus

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 course: Honors Pre-calculus (grade of B or better) or 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 course: AP Calculus AB

DMA COURSE DESCRIPTIONS

SOCIAL STUDIES

Civics & Geography

The Civics and Geography course develops cadets with a strong understanding of the American political system. Students will learn about the underlying principles of a representative democracy, the constitutional separation of powers, and the rule of law, with specific respect to the United States. 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 United States Constitution itself, as well as important constitutional issues such as civil rights, the freedoms guaranteed in the Bill of Rights, and many relevant Supreme Court decisions.

In the Geography portion of the course, the cadets will develop an understanding of the cultural, economic, and governmental relationships between countries around the world. The cadets learn how humans adapt to factors such as climate and physical topography. The cadets will also develop a working mental map of the political and physical features of the world. Significant attention will be devoted to current events, political developments and regional or global trends.

Applied Economics

This course provides cadets with the knowledge and decision-making tools necessary for understanding how a society organizes its limited resources to satisfy unlimited wants. Cadets will understand the choices members of the economic community make. Topics include: basic economic concepts; supply and demand analysis; comparative economic systems; globalization and trade; and the tools of fiscal and monetary policy. Throughout the course, we will apply the economic principles studied in class to various historical events along with current affairs, both international and domestic. This will not only assist the cadets in seeing economics in action on the global scene, but also help them become informed citizens.

United States History (REQUIRED)

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 their writing skills and research 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 Industrial Revolution (1820s) through the Cold War.

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.

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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 (elective)

Real World Economics offers a hands-on learning experience with plenty of opportunity to debate mainstream topics through an economic lens, such as: Are ticket scalpers all that bad? Why do cities spend billions of dollars to host the Olympic Games? Why does Patrick Mahomes earn millions of dollars per year while public servants make much less? Through exploring such topics, cadets will gain a better understanding of how the economy influences major aspects of everyday life. The course will conclude with a focus on personal finance.

NEW! Modern US History (elective)

The Modern US History class will focus on more current US History from World War II to the 21st century. It will focus on key events, individuals and movements that shape the United States to this day such as Vietnam, the Cold War, the Counter-Culture Movement, Malaise, terrorism, and many other topics. Using a combination of primary source documents, discussions, lectures and visuals, students will receive a more thorough understanding of how America evolved into what it is today. The class will also include discussions and analysis of current events as well. While an elective, this course will still be rigorous and have projects, and plenty of summative and formative assessments.

Sports Psychology (elective)

The Sports Psychology course will provide students with knowledge about the psychological factors that affect performance in athletics with a strong emphasis in coaching and team development. Students will also be introduced to mental skills that can enhance sports performance and make participation more enjoyable, while learning skills that can be transferred to other aspects of their lives. Specific skills to be covered in this class will include how to set measurable goals and strategies to achieve them, visualization and imagery techniques, leadership, team building, and how to best cope and recover from injuries. Coaching practices, ethics, practice organization, and the teaching of sport skills will have a strong presence throughout the course. Current issues and problems related to the coaching profession are also covered. Coaching responsibilities related to discipline, sportsmanship, motivation, and the overall development of the student athlete will be addressed.

DTCC US History: Pre Civil War (HIS111)

This course is a survey of colonial America and United States history through 1877. The course covers political, social, cultural, and economic factors that shaped the pattern of life in the United States through the period of Reconstruction.

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Prerequisite: 3.0 cumulative GPA or successful completion (with an A or B) of a previous college course

DTCC 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.

Prerequisite: 3.0 cumulative GPA or successful completion (with an A or B) of a previous college course

NEW! General Psychology (PSY121)

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.

Prerequisite: 3.0 cumulative GPA AND successful completion (with an A or B) of an honors level or college-level course

NEW! Intro to Criminal Justice (CRJ101)

This course provides an examination of the history and philosophy of the criminal justice system. The structure and function of law enforcement and the judicial and correctional systems are compared and contrasted with an overview of law and order issues facing the federal, state, and local agencies. Public service careers in the criminal justice system are surveyed.

Prerequisite: 3.0 cumulative GPA AND successful completion (with an A or B) of an honors level or college-level course

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SCIENCE

Integrated Science 9

This course consists of three curricular units designed by the Delaware Science Coalition that cover topics in Energy Across Systems, Introduction to Chemistry, and 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: Structure and Processes, Ecosystems: Interactions, Energy and Dynamics, Heredity: Inheritance and Variation of Traits and Biological Evolution: Unity and Diversity. 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 developed by states to improve science education for all students. *(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)

Chemistry is the study of matter, and how matter interacts. Principle topics include atomic structure, nuclear reactions, periodic trends, chemical bonding, stoichiometry, thermochemistry, gas laws, kinetics, and solution chemistry. Students are taught how to interpret visual representations of matter and will be evaluated on creating visual representations of matter. Student-led activities and team problem solving are prioritized. Weekly laboratory experiments emphasize quantitative techniques and complement the lecture material. Students are expected to utilize technical writing skills when drafting reports that summarize experimental procedures and analyze and discuss results.

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.

Anatomy & Physiology

Anatomy and Physiology is a laboratory science course that consists of the study of all of the major body systems that maintain homeostasis from anatomical and physiological perspectives. Students will explore the anatomy and physiology of the body systems using virtual and in class labs with a focus on disease and disease processes. The goal of

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this class is to spark the interest of cadets interested in the possibility of pursuing a career in a medical field through inquiry and exploration.

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.

NEW! 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.

Environmental Science

Environmental Science is an interdisciplinary course that integrates natural and social sciences, as well as the humanities. The purpose of environmental science is to investigate how natural systems work, analyze how human systems and natural systems interact with each other, and generate solutions for resolving and preventing undesirable effects due to the interactions between these two systems. Laboratory experiments and field work will be incorporated into this course. Field trips may be organized to supplement student learning.

NEW! Aeronautical Engineering

Aeronautical Engineering will familiarize Cadets with the various aspects of aviation thereby better preparing them for future success. The course will start with fundamental concepts of aviation such as its history, the community of aviation, and basics of flight. Next, the course will look at the science behind flight and the flight environment. Then cadets will be taught about various aircraft systems and jobs associated with these systems. From there, Cadets will learn about weather, airports, navigation, and Physiological concerns in flight. The course will finish with a design and build indoor aircraft competition. Class will be taught using various methods of teaching to include lectures, guest speakers, group work, individual work, and flight experiments. Topics include: History of Aviation, Aviation Community, Science of Flight, Flight Environment, Aircraft and Systems, Weather, Airports, Navigation, Physiology in Flight and Design and Build Indoor Aircraft Competition

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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. The course is designed to enable cadets to develop advanced inquiry and reasoning skills through the study of the biological principles and ideas such as Evolution, Cellular Processes, Genetics and Information Transfer and Interactions. There is an extensive reading requirement associated with this course. Cadets aiming to take AP Biology must obtain teacher recommendations and successfully complete the assigned summer enrichment. All cadets enrolled in this course are expected to take the College Board's Advanced Placement Biology examination in the spring.

Prerequisite: Successful completion of Honors Biology with a 90% or higher

AP Physics 1

AP Physics 1 is equivalent to a first semester college course in Physics and covers seven units of study: Kinematics, Dynamics, Circular Motion and Gravitation, Energy, Momentum, Torque and Rotational Motion, and Simple Harmonic Motion. 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. 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 a 90% or higher or successful completion of Honors Physics.

10th Grade Science (.5 credit) Electives

Introduction to Forensics (.5 credit 10th grade elective)

Forensic Science is the application of science to 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 contexts, the criminal justice system, physical and biological sciences, ethics and technology used for analysis. Students will be introduced to the role of police officers, crime scene investigators and forensic laboratory technicians and the process of collection and analysis of evidence that will be admissible in court.

Introduction to Food Science (.5 credit 10th grade elective)

The study of foods and nutrition has seen dramatic change as research evolves linking the preparation and consumption of foods to overall health and wellness. In this course students will explore the topics of food science, careers in food science, essential

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nutrients, proper nutrition, develop skills in meal planning, improve day to day food choices, diets and the digestive system. You will be required to participate in food labs.

Introduction to Engineering (.5 credit 10th grade elective)

Introduction to Engineering is a half-credit course that provides exposure to engineering principles involved in the design process, properties of materials, failure analysis, cost of quality and other real-world engineering challenges. As engineering is interdisciplinary, this course explores topics from a wide variety of fields helping students understand the range of potential engineering careers.

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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 I. 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 preterite 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.

Prerequisites: 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 course: Spanish II

NEW! Pre-AP Spanish III

Spanish Honors III (Pre-AP) is designed to expand the knowledge acquired in the first two years of the Spanish program at DMA. The class is primarily conducted in Spanish and will continue building communication skills in the present, past and future tense. Proficiency and growing in the areas of speaking, listening, reading and writing are emphasized for cadets to become more fluent and to communicate in real-life scenarios. Students will continue to expand their knowledge of Hispanic culture. This course is a key component for cadets who are interested in taking the Advanced Placement Spanish Language and Culture course the following year.

Prerequisite: Spanish II with a final grade of 90% or higher

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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: CP Spanish III with a 90% or higher or Pre-AP Spanish III with an 85% or higher.

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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)

NEW! 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

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planning, organizing, leading, and controlling. Competencies include communication skills, planning and administration, promoting teamwork, strategic initiatives, global awareness, and self-management.

Prerequisite: 2.75 cumulative GPA AND successful completion (with an A or B) of an honors level or college-level course. Cadets must be enrolled in or have successfully completed the Entrepreneurship (AOBIM level 3 course) class at DMA with a final grade of B or better

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PHYSICAL EDUCATION & HEALTH

Fitness (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.

NEW! Military Fitness

Military Fitness is an exercise-based course that is designed to help improve the overall fitness level of each cadet. The course is geared towards cadets who plan to enlist, participate in an ROTC program or plan to attend a service academy. The focus will be to help the cadets in his course successfully pass the physical fitness requirements needed to enlist and attend the desired military program. Cadets will be utilizing the newly renovated Seahawk weight room and Fusco athletic (turf) field to help prepare them for their test. By the end of the course cadets will have trained for each exercise and test required to help them perform to the best of their ability.

Health (REQUIRED)

The Health class is offered as an online courses through Educere, Inc. 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. Cadets will have one semester to complete the course with limited time during the school day.

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PERFORMING/FINE 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

This course is for cadets interested in performing in a vocal music ensemble and serving the community. No previous choir experience is required. Cadets learn music together and perform at various community events and field trips, including a yearly trip to the local Veteran's Hospital, two concerts and graduation. Community service hours are earned for community events. Cadets who enroll in choir are eligible for yearly music department trips with the DMA Music Association. The grading system for the DMA Chorus is a point-based system based on activities taught during class and participation at performance events. **Participation in the evening winter & spring concerts is REQUIRED for successful completion of this course.**

Piano Fundamentals I and II

This course will focus on the aspects of reading music, music theory, music notation, and learning how to play the piano at the beginner level. This course is for cadets who are interested in learning how to read music and apply that knowledge to the keyboard. During this course, the cadets learn different musical notations, such as note durations, the staff, major and minor scales, key signatures, etc. Cadets participate in group lessons, as well as individual lessons during class time. Cadets will work at their own pace using the provided piano lesson and theory books. Each keyboard will be accompanied with a set of headphones which the cadet will wear during individual practice time. By the end of this course, each cadet will be able to look at a musical score and be able to play it on the piano, as well as have the tools needed to be able to transfer learned musical knowledge to other instruments, choirs, etc. This course will provide each cadet with their own keyboard, stand, bench, and set of headphones (in-class use only). Once cadets have completed the first level, they are eligible for enrollment in the second level.

Prerequisites: none

Introduction to Theater Arts

This beginner level course is designed to provide students with a fundamental understanding of theatrical performance and drama strategies in a safe and comfortable environment. Students will explore and apply skills in vocal production, physicality on

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stage and scene work, empowering them to become more comfortable performing in public settings. Exploration of character study will occur through scene work, structured dramatic activities and monologues. Students will learn to self-reflect and reflect on the work of others from an articulate, constructive and informed standpoint.

Prerequisites: none

NEW! Music In The Movies

Did you ever wonder why a scary movie makes you feel scared? One reason is the music or sound effects that are used. This course covers the role of music in the film industry beginning with early silent films and the introduction of the ‘talkies’. It continues to cover the role of music up through current releases. Topics such as instrumentation, film composers, special effects, music genres and musical deception are covered. During this course, cadets will create their own short film, using music and special effects recordings to complement the film. Grades are based on classwork, quizzes, tests, projects and participation.

Prerequisites: none

DRIVER’S EDUCATION

Driver’s Education

The State of Delaware, Department of Education approved Driver Education course is offered to all 10th 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 successfully 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 10th 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 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.

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MILITARY SCIENCE

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.

Prerequisite course: Naval Science I

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.

Prerequisite course: Naval Science II

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 (LEAD)

Naval Science Leadership Seminar provides Cadets with the opportunity to practice the elements of leadership, to expand drill and ceremony skills, and to refine leadership

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skills. Principles of navigation and basic seamanship will be developed and ethics of leadership will be discussed in seminar discussions of actual leadership dilemmas faced in modern times by junior officers of the armed services. Participation and leadership in extra-curricular activities sponsored by the NJROTC unit, though not required, is very highly encouraged. In addition, Leadership Academy will prepare qualified cadets to better compete for College and University scholarships, ROTC scholarships and/or Service Academy nominations and appointments.

For questions regarding scheduling, please contact:

If you are a rising 10th grader, contact Mr. Grant @ john.grant@dma.k12.de.us

If you are a rising 11th grader, contact Mrs. Tocyloski @ amy.tocyloski@dma.k12.de.us

If you are a rising 12th grader, contact Mrs. Certesio @ debra.certesio@dma.k12.de.us