

**SCHOOL COUNSELORS' OFFICE
ALFRED-ALMOND CENTRAL SCHOOL**

The School Counselors' Office has prepared this booklet in an effort to summarize the basic academic requirements and offerings at A.A.C.S. The first section of this booklet provides information pertaining to graduation requirements, policies and procedures. The second section is devoted to course descriptions. The course descriptions were written and provided by the teacher responsible for teaching the course during the current school year.

The curriculum offerings at A.A.C.S. compare very favorably with other schools in the area and meet the needs of our students in preparing for the world of work, or in preparation for advanced education. It is our hope that each student will expose him or herself to a wide variety of courses. This exposure should assist each student in establishing the direction of his or her future.

The decisions required to establish a high school plan (created in 8th grade and updated each year thereafter) should be based upon an appraisal of the student's capabilities, record of achievements and motivation. It is suggested that the student, with the help of his or her parents, think through the following questions:

- A. What do I have the ability to do?
- B. What am I interested in doing?
- C. What are the requirements needed to achieve my goal?
- D. Am I willing to do the work and make the sacrifices necessary to achieve my goal?

This self-appraisal combined with the help available from the school counselors should make it possible to establish a realistic high school plan.

As school counselors, we are eager to assist you and your child in as many ways as possible. We are available in the School Counselors' Office, and we invite you to call (276-6562) or stop in. The following page lists some of the aspects of the Alfred-Almond counseling program.

Matthew McAneney
Amy Decker
School Counselors

ALFRED-ALMOND CENTRAL SCHOOL SCHOOL COUNSELING PROGRAM

Mr. Matthew McAneney
School Counselor
Mrs. Amy Decker
School Counselor
Mrs. Alinda Mulligan
Secretary

The counseling program at Alfred-Almond Central School is available to help students, parents, teachers and administrators develop positive learning experiences. As student advocates, our overall goal is to facilitate the educational, vocational, social and emotional well-being of students. To this end our program consists of a variety of services and activities including individual counseling, group counseling, academic planning, parent and teacher consultation, information services, referral assistance and student testing.

The school counselors are responsible for developing, scheduling and evaluating services of the program. Primary services of the school counselors involve direct assistance to students during the school day. Parent and teacher consultations are usually scheduled in the early morning before school or after school.

The counselors are certified professionals with training in counseling, confidentiality, psychology, human development, consulting, tests and measurements, career development, referral assistance, and other areas appropriate to the practice of counseling in a school. The counselors have a master's degree of counseling in education and are certified by the New York State Education Department.

The School Counselor's' Office is located on the second floor of the school, at the top of the stairs next to the high school cafeteria. Regular hours for the office are 8:00 a.m. to 3:35 p.m. Monday through Friday. Arrangements may be made to meet earlier or later in the day by calling 276-6562 or by emailing us: adecker@aacsapps.com, mmcaneney@aacsapps.com, or amulligan@aacsapps.com .

- * Individual Counseling
- * Career Counseling
- * Financial Aid Assistance
- * Problem Solving
- * Testing
- * Consultation
- * Relationship Counseling
- * Referral Assistance
- * Computer Programs
- * College Counseling
- * Course Selection
- * Crisis Intervention
- * Group Counseling
- * Social Skills Development
- * Goal Setting
- * Family Issues
- * Coping Skills Development
- * Progress Reports

MINIMUM GRADUATION REQUIREMENTS

<u>REQUIRED SUBJECTS</u>	<u>REGENTS</u>	<u>ADV. REGENTS</u>
ENGLISH	4 Units	4 Units
SOCIAL STUDIES	4 Units	4 Units
MATHEMATICS	3 Units	3 Units
SCIENCE	3 Units	3 Units
SECOND LANGUAGE	1 Unit	3 Units*
HEALTH	½ Unit	½ Unit
ART and/or MUSIC	1 Unit	1 Unit
COMPUTER **	1 Unit	1 Unit
ONE UNIT OF OCCUPATIONAL ED.	1 Unit	1 Unit
(OCCUPATIONAL ED. INCLUDES TECHNOLOGY, BUSINESS, AND BOCES COURSES.)		
PHYSICAL EDUCATION (½ CREDIT FOR EACH YEAR OF PHYSICAL EDUCATION)	2 Units	2 Units
ELECTIVES	4 ½ Units	2 ½ Units

The minimum credit requirement for Regents/Advanced Regents is 25 credits.

* The 3 unit second language requirement may be replaced by a 5 unit sequence in occupational education, art or music, however 1 credit of second language must be obtained.

** The computer requirement may be met by taking ½ unit from Web Programming, Digital Media/Drawing & Design, Digital Media/ Game Design, Digital Media/Animation, Digital Media/Photoshop, Multi-Media Computing, Ecommerce, Computer Applications, or Computer Aided Design.

REGENTS EXAM/ADVANCED REGENTS DIPLOMA REQUIREMENTS

REGENTS DIPLOMA

ADVANCED REGENTS DIPLOMA

Algebra Regents Exam

Algebra Regents Exam

Science Regents Exam

Science Regents Exam

Global History Regents Exam

Global History Regents Exam

U.S. History Regents Exam

U.S. History Regents Exam

English 11 Regents Exam

English 11 Regents Exam

Geometry Regents Exam

Algebra 2 Regents Exam

2nd Science Regents Exam

DIPLOMA ENDORSEMENTS

Students may earn diploma endorsements recognizing the successful completion of additional courses and exams.

CTE Endorsement	Honors Designation	Mastery in Math	Mastery in Science
Students in approved CTE programs must meet alternative credit and assessment requirements. The total number of credits varies by sequence and may exceed 44.	Students must earn an average of 90 or higher on the required Regents exams for the diploma they are earning.	Students must score 85 or higher on each of the three math Regents exams and complete the requirements for the Advanced Regents diploma.	Students must score 85 or higher on each of the three science Regents exams and complete the requirements for the Advanced Regents diploma.

COURSES FOR HIGH SCHOOL STUDENTS

ENGLISH REQUIRED OF ALL STUDENTS – 4 credits required

Regents English 9	1 credit
Regents English 10	1 credit
Regents English 11	1 credit
English 12 (See options offered)	1 credit

Students must pass the New York State Regents exam in English (11th grade).

ENGLISH OPTIONS

English 12 Foreign Film	½ credit
English 12 American Film	½ credit
Journalism	1 credit
AP English (English Comp. and Lit.)	1 credit
AP English (Language and Composition)	1 credit

SOCIAL STUDIES REQUIRED OF ALL STUDENTS – 4 credits required

Global History & Geography 1	1 credit
Global History & Geography 2	1 credit
U.S. History and Government	1 credit
Participation in Government	½ credit
Economics	½ credit

Students must pass the New York State Regents Examination in Global Studies (10th grade) and U.S. History and Government (11th grade).

SOCIAL STUDIES ELECTIVES

America at War	½ credit
African American History	½ credit
AP US History	1 credit
AP Government	1 credit

MATHEMATICS - 3 credits required

Algebra	1 credit
Algebra 1A	1 credit
Algebra 1B	1 credit
Geometry	1 credit

Geometry A	1 credit
Geometry B	1 credit
Algebra 2	1 credit
Pre-calculus	1 credit
Consumer Math	1 credit
Statistics	½ credit
College Calculus	½ credit (also receives Alfred University 4 credits)

Students must pass one New York State Regents Exam in Math for Regents Diploma and three Regents Exams for Advanced Regents Diploma.

SCIENCE - 3 credits required

Earth Science – Regents with lab	1 credit
Living Environment– Regents with lab	1 credit
Living Environment A (year 1 of 2 years)	1 credit
Living Environment B (year 2 of 2 years)	1 credit
Chemistry – Regents with lab	1 credit
Physics – Regents with lab	1 credit
AP Biology	1 credit

Students must pass one New York State Regents exam in Science for a Regents Diploma and two Regents Exams for Advanced Regents Diploma

HEALTH REQUIRED OF ALL STUDENTS - ½ credit required

High School Health	½ credit
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COMPUTER ELECTIVES - 1 credit required

Web Programming	½ credit
Digital Media/Drawing & Design	½ credit
Digital Media/Game Design	½ credit
Digital Media/Animation	½ credit
Digital Media/Photoshop	½ credit
Multimedia Computing	½ credit

FOREIGN LANGUAGE

Spanish 2	1 credit	
Spanish 3	1 credit	
Spanish 4 ACE (online via CCC*)		1 credit
French 2	1 credit	
French 3	1 credit	
French 4 ACE (via CCC*)	1 credit	

After the completion of foreign language at the end of 8th grade, students who earn a passing grade will earn 1 high school credit for Spanish or French. Students are required to pass a local examination in their language, offered at the end of Spanish 3/French 3 for an Advanced Regents Diploma.

BUSINESS COURSES

Career & Financial Management	1 credit
Principles of Marketing	1 credit
ACE Accounting Practices (via CCC)	1 credit
Business and Personal Finance	1 credit
Business Law	1 credit
Ecommerce	½ credit
Business Communications	½ credit
Computer Applications	½ credit
Fashion Marketing	½ credit
Sports Marketing	½ credit
Entrepreneurship	½ credit

TECHNOLOGY COURSES

Design and Draw for Production	1 credit
Robotics	½ credit
Transportation Systems	½ credit
Energy/Power	½ credit
Technical Drawing	½ credit
Architectural Drawing	½ credit
Materials Processing	½ credit
Manufacturing Systems	½ credit
Computer Aided Design	½ credit
Residential Structures	½ credit
Construction Systems	½ credit

* Corning Community College

ART COURSES

Studio Art	1 credit
Ceramics A	½ credit
Ceramics B	½ credit
Drawing/Painting	½ credit
Jewelry and Fibers	½ credit
Mixed Media Ceramics & Sculpture	½ credit
Printmaking and Photo	½ credit
*AP Studio Art Drawing	1 credit

* A background in art is helpful for this course.

MUSIC COURSES

Senior Chorus	½ credit for the full year
Senior Band	½ credit for the full year
*AP Music Theory	1 credit
* High School Jazz Ensemble	1 credit

* A background in music is helpful for these courses.

ALFRED UNIVERSITY CLASS OPTION (if schedule time allows)

The proximity of Alfred University gives the students at Alfred-Almond Central School a unique opportunity to sample college courses and/or take advantage of advanced work in an area of their interest or talent.

With this in mind, release time will be granted as long as the following conditions prevail:

- The parent approved of the actual day to day schedule of courses both at the high school and college.
- The parent and student recognize the student's responsibility to maintain his/her academic class standing and attendance at AACS.
- The principal reserves the authority to recall the student to a full day schedule at any time deemed necessary. Normally this authority will be exercised if a student fails to sign into (or out of) school, is absent excessively, reduces academic effort at AACS, or if the AACS has knowledge that the student is not attending or has dropped his/her college course(s).
- The student is expected to accumulate the minimum of 6 "caseload" credits and meet requirements for graduation from AACS.
- College credits will NOT be accepted toward the minimum number of credits needed for graduation from AACS nor may they be used to fulfill any requirement for AACS graduation.
- There is a maximum of eight semester hours per semester
- Students must also commit to taking the same number of classes both semesters, if they need caseload credit or take an elective at AACS.
- Registration is dependent on available openings. "Wait listing" is not available. High school students are not guaranteed enrollment into desired class.
- Fee is \$100.00 plus cost of book/material for class. (Cash or check made payable to Alfred University) Registrar is located in Seidlin Hall.
- Students must have their own transportation.

DETERMINATION OF CUMULATIVE GRADE POINT AVERAGE

Cumulative grade point averages will be determined using final grades for all classes. Students will have the option of including physical education in their cumulative average. The final averages of classes are added and then divided by the number of credits attempted.

Example:	MP 1	MP 2	MP 3	MP 4	FE	RE	FA	CR
Eng. 9	80	80	80	80	90		82	1
E. Science	80	80	80	80		90	82	1
HS Health	80	80			90		82	.5

$$82 + 82 + 41 \div 2.5 = 82 \text{ GPA for courses listed above}$$

MP = Marking period

FE = Final exam

RE = Regents exam

FA = Final average

CR = Credit

HONOR ROLL

1st Honors

1. A composite average of 90 or above
2. No mark below 80*
3. No incomplete marks

2nd Honors

1. A composite average of 85 or above
2. No mark below 75*
3. No incomplete marks.

*This includes PE whether you are counting it in average or not

BOCES courses are to be counted as 3 credits in the Junior year and 4 credits in the Senior year.

RANK

All students are ranked in order of their average, which is carried to three decimal places.

For the purpose of consideration for the honor of class valedictorian or salutatorian, a student must have been in attendance at Alfred-Almond Central School for a minimum of three full school years during grades 9, 10, 11, or 12. They must also be considered a member of the Senior class by the first day of classes for the year they wish to be considered.

When determining valedictorian and salutatorian and two or more student's averages have no more than a .3 difference, the students involved will be declared co-honorees as either the valedictorian or salutatorian.

DRIVER EDUCATION

Driver Education is a ½ credit course offered during the summer. Students will be given a grade that will be averaged into their cumulative grade point average. The student must be 16 years of age and have a permit by July 1st prior to enrollment in the course. Seats in the class are limited, older students are given priority.

PHYSICAL EDUCATION

Physical Education must be taken every year. Students earn a ½ credit for each year completed and must earn 2 credits prior to graduation. Parents and students have the option to include the Physical Education grade in the student's grade point average in 8th grade which will be effective for 9th through 12th grade. It is a one time decision made and is irreversible. This decision must be made via written consent by the end of the student's 8th grade year.

AP COURSES

Students enrolled in AP courses are required to take the AP test for that subject in May.

ACADEMIC INTERVENTION SERVICES

Academic Intervention Services (AIS) are available for students who score below the state designated performance level on state assessments and/or who are at risk of not achieving the state learning standards. This service is provided to students that are in need of additional services in order to be educationally successful. Students may also be placed in AIS by parent, teacher, student or counselor request. At Alfred-Almond we offer AIS classes in mathematics, science, social studies, language arts, and reading. In the support classes, the teachers provide academic remediation on an individual or small group basis in the student's area of need.

COURSE REGISTRATION

Students will meet with their school counselor each year to select/request his or her courses. When a student's requested courses conflict, priority will be given to the required courses (i.e. English would take precedence over an elective, or Health would take precedence over Band or Chorus). All students must carry a course load minimum of 6 credits for each school year. Students may drop or add courses during the first 15 days of classes. Dropping courses after this period is not permitted.

CHALLENGE PROCEDURES

Any student wishing to challenge a course must meet with their counselor and complete the challenge application. In order for the challenge application to be approved, the student must meet the criteria as stated in the Board of Education's policy. The student must take and pass a final exam with a minimum grade of 85. They will also be required to complete a project to be determined by the teacher, principal and school counselor. Upon successful completion they will receive credit for the challenged course and the grade received on the final exam is used as their final average for the course. The project is graded as a pass/fail. Deadlines for challenge applications are May 1 for full and half year classes, and October 1 for half year classes. Please contact the School Counselors' Office for more information.

GRADE PROMOTION

Students must have a minimum of 5 credits to be promoted to the 10th grade, 10 credits for 11th grade and 15 credits for 12th grade.

FAILURE OF A COURSE

When a course is failed, it is recorded on the student's transcript. When the course is repeated and passed, that is also included on the transcript. Both the failed course and the passed course are used in determining GPA.

REGENTS EXAM RETAKES

The final grade for a course includes the Regents exam grade. If a student retakes the Regents exam, the final average will be recalculated using the higher of the two Regents exam grades. All Regents exam grades will be recorded on the student's permanent record. The highest Regents exam grade will be recorded on the student's transcript.

SUMMER SCHOOL COURSES

All approved summer school courses are included in determining the cumulative grade point average. Only classes that are failed can be taken in summer school.

TRANSFERS

Grades for courses completed at schools other than Alfred-Almond will only be used to compute the cumulative average if the courses were taken at a state accredited school. All other courses for which a student would like to receive credit must be evaluated by the principal. Students must take and pass all required Regents exams.

GREATER SOUTHERN TIER (GST) BOCES
WILDWOOD EDUCATION CENTER
PROGRAM OFFERINGS

These courses may be used as a sequence, or for elective credits. They are ½ of a school day, each day, for one or two years. For the junior year a student will earn 3 units of credit. For the senior year a student will earn 4 units of credit. GST BOCES has received approval from SED for “embedded” credits in science, mathematics, and English in selected vocational courses. At Alfred-Almond, this embedded credit shall be used to count as elective credit in English, mathematics, and science and shall not be used to count toward the required courses for graduation. In English, it may count as a 5th credit and in science and mathematics it may count as a 4th credit. An application and special arrangements with scheduling are required. Career & Finance Management is a required course for any occupational education sequence.

Auto Body Repair
Auto Technology
Building Construction
Career Beginnings
Career Exploration
CISCO Networking Academy
Cosmetology
Criminal Justice
Culinary Arts
Digital Media Arts
Nurse Assisting
Heavy Equipment
Welding & Metal Fabrication

New Visions Medical - medical job shadowing internship (for seniors who qualify)
New Visions Education- Education & Human Services (for seniors who qualify)

ART PROGRAM

STUDIO ART

1 CREDIT

Studio Art is offered for 40 weeks and is a recommended prerequisite for the Advanced Art courses. It is designed for students who will take only one art course in high school and as a foundation for those who elect additional art courses for Advanced Art.

You will need a sketchbook. It is used to reinforce the classroom learning experience and to promote visual awareness of environment. It usually involves doing one to three sketches a week.

First Semester

DESIGN – Explores principles and elements of design using various mediums.

DRAWING – Explore various drawing tools including pen/ink, pencil, pastels, charcoal, etc., in sketches and in more depth drawings.

PHOTOGRAPHY – Create digital portraits to use in collage format.

PAINTING – This segment is an introduction to acrylic painting plus continuation of watercolor painting.

Second Semester

METALS – A mold for a pewter piece is created and then the piece is cast and finished.

ART HISTORY – A four week discussion of art history via slides, the school library, and DVDs where appropriate.

CERAMICS – Pottery with emphasis on surface treatment and perfecting hand building techniques.

SCULPTURE – Working in wood, clay, metal, found objects and/or plaster.

CRITIQUES - Short group critiques and final project critiques are employed to promote critical awareness and discuss objectives, problems and solutions.

EVALUATION – Evaluation rubrics are used at the conclusion of art projects, and a written final exam is given at the end of the year. Art history unit evaluation includes 4 written quizzes.

ADVANCED ART

Advanced Art is offered on a semester basis earning ½ credit each semester. The Advanced Art courses are more intensive and specialized than Studio Art.

Sketchbook drawings and exercises are used as homework to reinforce the classroom learning experience and to promote visual awareness of the environment.

	<u>Fall Semester</u>	<u>Spring Semester</u>
<u>Group 1</u> 2018-2019 2021-2022	Ceramics B	Drawing/Painting
<u>Group 2</u> 2019-2020 2022-2023	Mixed Media Ceramics and Sculpture	Printmaking & Photo
<u>Group 3</u> 2020-2021 2023-2024	Ceramics A	Jewelry & Fibers

CERAMICS A

A course in both handbuilding with clay and thrown forms using the pottery wheel. Students will work 10 weeks in each technique and will create both functional and sculptural forms based on universal prompts, allowing for choice in focus and output.

JEWELRY AND FIBER

A course designed to feature traditional materials such as small metals, fabric, weaving, wool felting, sewing, soft sculpture, and embroidery, with a contemporary interpretation. Students will be introduced to traditional arts from various cultures as well as current artists using these materials in modern ways. The course will offer opportunities to choose multiple directions from within the material offerings and challenge students to reinterpret traditional materials in new ways.

CERAMICS B

A course designed to enhance learning from basic ceramics to the creation of work in thematic series. Students will work both in handbuilding and wheel thrown pieces, with a focus on sets of functional wares and series of sculpture. Students will be challenged to develop a body of work that represents their emerging style as a ceramic artist.

DRAWING/PAINTING

Students will focus on drawing from life and other visual resources, with a focus on quality materials including charcoal, pen and ink, graphite, scratchboard, and pastel. Students will be challenged to develop their skills through practice and challenges designed to build skill and confidence. Painting will incorporate watercolor, gouache,

acrylic on paper, canvas, and panel. Encaustic (wax) and plein-air painting will be offered as well.

MIXED MEDIA CERAMICS & SCULPTURE

A course designed to push the possibilities of the material of clay into the realm of sculpture. The focus will be on larger scale, sculptural works with multiple elements. Work will take sculptural, mixed media form incorporating clay, plaster, wood, paper, fibers, and wire, and will include installation art as well.

PRINTMAKING & PHOTO

A course incorporating digital photography and traditional printmaking methods including monoprinting, block printing, intaglio, silkscreen printing, and embossing, as well as digital printmaking and use of computers as a printmaking tool. Students will use digital photography to develop a series of photo work, learn to use Photoshop as a creative tool for making altered digital images and prints, and use their photos as an image source for their traditional printmaking techniques as well.

AP STUDIO ART DRAWING*

1 CREDIT

The AP Studio Art course is designed for the motivated art student willing to accept the challenge of a rigorous college level art curriculum. The program demands a significant commitment from students. AP art students are expected to work during AP mods, any extended time within the school day, in addition to consistent studio work at home throughout the week. Students will be required to create approximately one finished, high quality artwork per week and a half. This is an in-depth study of drawing with a focus on mark making through line, form, texture, and expression. The student thus learns that drawing is a process, both in the perceptual stage and in the conceptual stage of the development of an artist.

Students will produce a portfolio with a minimum of 24 works that satisfy the requirements of the Advanced Placement Studio Art Drawing portfolio. The portfolio will be comprised of 24 artworks which fulfill the requirements of the quality, concentration, and the breadth section of the portfolio. By May, students are required to complete the AP portfolio for submission to the College Board for evaluation. The portfolio score serves as the AP test score. All students enrolled in this course will be required to submit their portfolio to the College Board.

* AP Studio Art Drawing must be taken to complete the 5 unit sequence in art to receive an Advanced Regents Diploma.

BUSINESS EDUCATION

Career & Financial Management
E-Commerce
Business Communications
Computer Applications
ACE Accounting Practices
Principles of Marketing
Business Law
Business and Personal Finance
Fashion Marketing
Sports Marketing
Entrepreneurship

ACE ACCOUNTING PRACTICES 1 CREDIT

This is a full year course designed to develop occupational competencies in bookkeeping. This class will give a student a thorough background in the basic accounting procedures used to operate a business. The accounting procedures presented will also serve as a sound background for employment in office jobs and preparation for studying business courses in college. Course content encompasses the complete accounting cycle.

BUSINESS LAW (2019-2020, 2021-2022) 1 CREDIT

This is a full year class that lays the foundation for the study of the law with emphasis on business and personal law. Ethics, criminal law, problems in society, the law of torts, trial procedures and contracts are studied. Case studies, video tapes and role playing are used to demonstrate the topics.

CAREER & FINANCIAL MANAGEMENT 1 CREDIT

This is a full year class that will prepare students for their future. Students need a series of skills different than those needed in the past. The skills required today include the ability to solve problems and make decisions, do career planning, manage their resources, understand their role in business and government, and apply academic skills to daily living experiences. Four modules are taught: Working citizen, Personal Resource Management, Economics of Work and Human Relations, Decision Making.

COMPUTER APPLICATIONS ½ CREDIT

Students will learn the basic applications in Microsoft Office, Word, Excel, Access and Publisher. They will also master the drawing tools, tables, clipart, and other advanced features of Office.

PRINCIPLES OF MARKETING 1 CREDIT

This full year course is comprised of the most basic marketing functions that may be applied to a variety of retail or wholesale industry clusters. This course will provide students with entry level skills for direct employment in a variety of career clusters within marketing and prepare the student for a business degree in college.

E-COMMERCE (2018-2019, 2020-2021)

½ CREDIT

E-commerce continues to have a dramatic impact on virtually every aspect of business. And following the Global Economic Crisis, its role is even more critical. Packed with the most cutting-edge coverage available, E-commerce equips students with a solid understanding of the dynamics of this fast-paced industry. It delivers comprehensive coverage of emerging online technologies and trends and their influence on the electronic commerce marketplace. By detailing how the landscape of online commerce is evolving, this market leading text reflects changes in the economy and how business and society are responding to these changes. Balancing technological issues with the strategic business aspects of successful e-commerce, the new edition includes expanded coverage of international issues, social networking, mobile commerce, Web 2.0 technologies, and updates on spam, phishing, and identity theft.

BUSINESS COMMUNICATIONS(2018-2019, 2020-2021)

½ CREDIT

In this half year course, the student will develop considerable proficiency in communicating. Non-verbal communications, listening skills, oral communication and written communication will be emphasized.

BUSINESS AND PERSONAL FINANCE (2018-2019, 2020-2021)

1 CREDIT

Everyday people are surrounded by new choices for shopping, watching television, and other activities. Business and Personal Finance will teach students financial literacy in the areas of personal planning, career planning, money management, consumer purchasing and protection, banking, credit, buying a house, saving and investing, stocks and bonds, insurance, and retirement. Every area covered in this course will be taught through real world examples in which students can apply to their lives now and in the future. Students will learn how to make informed decisions on financial literacy in which they can build a solid foundation to future financial security.

FASHION MARKETING (2019-2020, 2021-2022)

½ CREDIT

Fashion Marketing is designed to introduce you to the elements within the fashion industry (design, fabric choice, pricing, advertising, and sales). Within each of these fields, we will be looking at the early history of each, how they developed, and how they work with today's society. We will also study the possible career choices in each of these area and what skills and education you will need for a successful career. Fashion Marketing, therefore, will open your mindset to the available careers and opportunities both nationally and internationally.

SPORTS MARKETING (2019-2020, 2021-2022)

½ CREDIT

This course will open your eyes to the world of sports and entertainment. You will be studying the history and evolvement of sports, look at how they are marketed, how they

work in today's society, and how they generate sales to make their sport profitable. The field of sports and entertainment marketing is rapidly changing and it involves each of us every day. Whether you participate in high school sports, watch college or professional events, or if you are involved with any form of entertainment you are bombarded with the marketing of these events every day. We will study the possible career choices in each of these areas and what skills and education you will need for a successful career in either sports or entertainment. This course, therefore, will open your mindset to the available careers and opportunities both nationally and internationally.

ENTREPRENEURSHIP

½ CREDIT

In today's society half of new businesses are created by new entrepreneurs. Students will learn the tools and skills needed to go into business, how to recognize business and opportunities and trends, how to search and plan the business, how to manage and market the business, and the issues that must be addressed in order for the business to survive, grow, and profit. By the end of this course, students will be able to create a full business plan in which they can see the full scope of starting a new business.

COMPUTER COURSES

Fall Semester

Spring Semester

Group 1

2018-2019
2020-2021
2022-2023

Web Programming (2,4)
DM/Photoshop (6)
DM/Game Design (9)

DM /Drawing & Design (2,4)
Multi-Media Computing (6)
DM/Animation (9)

Group 2

2019-2020
2021-2022
2023-2024

DM/Game Design (6)
DM/Photoshop (9)
Web Programming (2,4)

DM/Animation (6)
Multi-Media Computing (9)
DM /Drawing & Design (2,4)

WEB PROGRAMMING (offered every year) ½ CREDIT

Students will create web pages using HTML (Hypertext Markup Language), CSS (Cascading Style Sheets), JavaScript, and text editors, such as Adobe Dreamweaver. They will also learn the fundamentals of Adobe Photoshop for image editing and special effects.

DIGITAL MEDIA – DRAWING AND DESIGN (offered every year) ½ CREDIT

Students will work primarily with vector drawing programs, such as Adobe Illustrator. They will learn to: navigate the illustrator workspace, work with shape and drawing tools, transform/reshape objects, work with layers and blending modes, use type tools, apply effects, work with painting tools, and use symbol tools. Throughout the course, images will be prepared for the web and for print projects.

DIGITAL MEDIA – GAME DESIGN ½ CREDIT

This course is an introduction to the basic fundamentals of video game design and development. Students will begin learning about the history of video games. They will learn about games and emotions that are evoked during play. Lastly students will learn about elements of games and how to incorporate those into a game. They will create several games working from a simple 1 level game to several levels. We will work in 2D and get an intro for 3D game designs.

DIGITAL MEDIA – ANIMATION ½ CREDIT

Students will learn how to create animated (motion) graphics and visual effects using various software programs and techniques. Topics covered will include 2D vector based frame-by-frame, tween, motion, and classic animation techniques. An introduction to 3D animation will also be covered. Graphics will be created for use on the web, in video, or in other multimedia productions.

DIGITAL MEDIA – PHOTOSHOP

½ CREDIT

Adobe Photoshop is currently the industry standard for working with bitmap/raster graphics, which includes digital photos. In this class, students will learn to: navigate the Photoshop workspace, create and modify the canvas, edit images, work with image modes and color models, use selection and mask techniques, work with layers and blending modes, work with type, use painting tools, effectively use retouching tools, and apply filters and various effects. Students will also focus on the techniques of digital photography with an opportunity to use several school owned digital cameras. Throughout the course, images will be prepared for the web and for print objects.

MULTIMEDIA COMPUTING

½ CREDIT

Students will work with many forms of media, including images, graphics, video, sound and music. Students will have the opportunity to work with many programs, such as Adobe Photoshop, Auditions, PowerPoint, In Design, Publisher, and Premier. Several free software packages and online services will also be used.

ENGLISH COURSES

ENGLISH 9

1 CREDIT

The English curriculum in 9th grade will consist of study in the following areas: research skills, grammar, vocabulary, composition, debate, oral reports, creative writing, and poetry and literature analysis.

ENGLISH 10

1 CREDIT

The English curriculum in 10th grade will consist of study in the following areas: drama, grammar, spelling, vocabulary, writing skills, oral reports, library work, required readings, speech, study and listening skills.

English 10 consists of a survey of American literature from the 17th century up until the present. Major American authors are studied at great length. A major research paper is a part of a cross curricular unit with the Social Studies department.

ENGLISH 11

1 CREDIT

English curriculum in the 11th grade will consist of study in the following areas: American and English literature, short stories, essays, poetry, drama, short novel, literary magazines, persuasive writing, grammar review, required reading, oral reports, writing skills, vocabulary and biography. Preparation for the Regents examination is covered, including intensive writing activities in the Regents style.

ADVANCED PLACEMENT ENGLISH(11) (Language and Composition) 1 CREDIT

This course is designed to prepare students for the Advanced Placement test in Language and Composition. The purpose of this course is to provide students with an in-depth knowledge of the writing process as well as the means to read and write well about literature and other subjects. "The course also requires students to write in informal context designed to help them become increasingly aware of themselves as writers and of the techniques employed by the writers they read." Students will be required to write 750-1000 word papers approximately every two weeks. Reading assignments will focus on nonfiction as well as fiction: the focus being analysis, argument and synthesis. Evaluating graphic images is also an essential part of the course. Assignments outside of class will be lengthy, requiring good time management skills on the part of the student. Students enrolled in this class will be required to take the AP test in May as well as the ELA Regents.

ENGLISH 12

English electives are offered to seniors to meet the graduation English requirements.

ENGLISH 12 FOREIGN/AMERICAN FILM

1 CREDIT

This course is designed to foster critical and analytical understanding of films and film texts. It provides students with advanced training in academic research, critical thinking, and writing. Students will be able to analyze American and foreign films from a historical, cultural, and ideological perspective. Students are encouraged to think out of the box to question how films bear social and cultural influences and the ways in which important social issues are represented on screen. This course will analyze the essential classics of foreign film genres that include German Expressionism, French Poetic Realism, Italian Neo-realism, and Surrealism. In addition, this course presents a survey of American film classics that define and shape American film history. Students will read literary criticisms and additional source materials related to the film genres, directors, and techniques for in-depth analysis of each film. Based on viewings, readings, and discussions, students will develop an informed critical analysis of a film in the form of a 3 page paper every 4 weeks. Assignments and assessments include a rigorous amount of reading and writing. In addition, students must develop the ability to respond to a variety of foreign and American films and to articulate that response with weekly viewer's response journals. This curriculum course work has been designed to help students build critical thinking and writing skills. Personal reflection journals, written analytic papers, quizzes, and tests comprised of both multiple choice and short written responses are requirements.

JOURNALISM

1 CREDIT

The Senior Journalism class is a full year class that will be offered as an English elective. The goal of this class is for students to utilize issues from local, national, and world events as platforms for reporting, writing, and editing. Students' writing will cover social, economic, political, pop-culture, and technological items and how the issues are relating to and affecting their generation. Students will explore the many writing styles of journalism reporting, as well as the ethics of journalism, and use technology to present and produce a school-wide monthly publication entitled Alfred-Almond Observer. The writing for this course will focus on college-level writing and research preparation. Students will also develop real-world skills such as collaboration, independence, leadership, and face-to-face/technological communication while also developing college application essays and updated resumes for personal use.

ADVANCED PLACEMENT ENGLISH (12)(Literature and Composition)

1 CREDIT

This course is designed to prepare students for the Advanced Placement test in Literature and Composition. First semester writing assignments are essays on aspects of fiction, e.g. theme, character, symbolism. Readings are drama such as Oedipus Rex and Death of a Salesman, novels such as Heart of Darkness and Tess of the D'Urbervilles and poetry from Sound and Sense. Second semester, all essays are literary analyses from old AP exams, written in class. Reading assignments are lengthy and there is approximately one essay per week to write and rewrite. Students enrolled in this class will be required to take the AP test in May.

LANGUAGES

FRENCH 7

A full year course in beginning French. This course is the first part in level one French. The primary focus is on vocabulary and basic language skills. The course is designed to make students feel comfortable with a new language. This is Part 1 of a 2 part level 1 class.

FRENCH 8 1 CREDIT

This course is a continuation of the 7th grade course and follows the same guidelines. Successful completion of the course meets the requirements of French 1. A passing grade will earn one credit.

FRENCH II 1 CREDIT

This course begins an intermediate study of French. Students begin to write at a higher level, more sophisticated vocabulary is introduced and speaking skills are emphasized.

FRENCH III 1 CREDIT

French III is the continuation of intermediate language learning, however students are expected to speak comfortably and use the language more often in class. Grammar is a focus and students should be polishing their language skills in all areas to prepare for their final exam in French.

FRENCH IV ACE (Accelerated College Education) 1 CREDIT

This 200 level college course is offered to those students who have successfully completed three years of French. This course involves more in depth study of grammar, culture, literature, conversation, as well as specific lab work. Students will earn one high school credit and eight college credits through Corning Community College.

SPANISH 7

Spanish 7 introduces the student to the Spanish language. Students will practice reading, listening, writing and speaking skills that are reinforced by learning vocabulary and grammar. Customs and culture of the Hispanic world are also studied. Students will be retained in Foreign Language 7 until a passing grade is attained.

SPANISH 8 1 CREDIT

This course is a continuation of the 7th grade course and follows the same guidelines. A passing grade will earn one credit.

SPANISH II 1 CREDIT

This course involves advanced grammar and extended vocabulary. More complex reading, writing, listening and speaking skills are expected. Cultural exploration is continued.

SPANISH III 1 CREDIT

In the third level of Spanish the student is required to demonstrate more skillful use of listening, reading, writing, and speaking skills. Advanced structures and vocabulary are emphasized.

SPANISH IV ACE (Accelerated College Education) 1 CREDIT

This course may be taken for local high school credit and for eight college credits through Corning Community College. To earn college credits the students must pay tuition to CCC. Scholarships and financial aid are available to students. It is an extension of grammar, speaking, listening and writing skills acquired in previous coursework with more in depth emphasis. Works of modern Hispanic literature are included as well as cultural aspects, oral presentation and a laboratory component.

MATHEMATICS COURSES

ALGEBRA

1 CREDIT

Algebra is the first mathematics course in high school. The algebra course set forth here is not the algebra of 30 years ago. The focal point of this course is the algebra content strand. Algebra provides tools and ways of thinking that are necessary for solving problems in a wide variety of disciplines, such as science, business, social sciences, fine arts, and technology. This course will assist students in developing skills and processes to be applied using a variety of techniques to successfully solve problems in a variety of settings.

ALGEBRA 1A/1B

1 CREDIT

The same course as described above designed around a two year cycle. 1 credit is earned for each year of this cycle for a maximum of 2 total credits for Algebra. The course concludes with a Regents examination in Algebra the second year.

GEOMETRY

1 CREDIT

Geometry is intended to be the second course in mathematics for high school students. There is no other school mathematics course that offers students the opportunity to act as mathematicians. Within this course, students will have the opportunity to make conjectures about geometric situations and prove in a variety of ways, both formal and informal, that their conclusion follows logically from their hypothesis. This course is meant to employ an integrated approach to the study of geometric relationships. Integrating synthetic, transformational, and coordinate approaches to geometry, students will justify geometric relationships and properties of geometric figures.

GEOMETRY A/B

1 CREDIT

The same course as described above designed around a two year cycle. 1 credit is earned for each year of this cycle to maximum of 2 total credits for Geometry. The course concludes with a Regents examination in Geometry the second year.

ALGEBRA 2

1 CREDIT

Algebra 2 is the capstone of the three units of credit required for an Advanced Regents Diploma. This course is a continuation and extension of the two courses that preceded it. While developing the algebraic techniques that will be required of those students that continue their study of mathematics, this course is also intended to continue developing alternative solution strategies and algorithms. The course concludes with a Regents examination.

PRE-CALC

1 CREDIT

This is a pre-calculus course with the study of the complex number system, theory of equations, functions and their inverses, series, sequences, limits and introduction to calculus. A local final exam is given.

CONSUMER MATH

1 CREDIT

Consumer Math can help you navigate the financial decisions you will face when you leave high school. This course will inform students how individual choices directly influence occupational goals and future earnings potential. Learn how to spend your money wisely and how to plan for financial security. Learn how to: prepare income tax forms, budget your money, rent or buy a home, investigate career options, establish and maintain a checking account and understand credit cards. This course may be used to meet the required third year of math.

AU CALCULUS

½ CREDIT

This course is an introduction to differentiation and integration of functions of a single variable, with applications. Students investigate the basic concepts of calculus—functions, limits, derivatives, antiderivatives, and integrals—and discover their applications to a variety of mathematical and real-life problems. Four years of college preparatory mathematics strongly recommended. Calculus is the study of change. Students are able to earn 4 credit hours from Alfred University through this course.

STATISTICS

½ CREDIT

This course is designed to provide a solid foundation of statistics as a college introduction to statistics would be organized. Students will work with probability, data collection, descriptive and inferential statistics, and technological tools to analyze statistics. The emphasis of the course will be exploring data, planning a study, producing models using probability theory, and making statistical inferences. Students will work with statistical measures of central tendency and variation, methods of data collection, manners to calculate probability, both binomial and normal distribution, hypothesis testing and confidence intervals. Pupils will be required to present their findings using written description, numerical statistics, and graphs.

MUSIC

SENIOR HIGH BAND

½ CREDIT

This class is a performance ensemble consisting of 9th through 12th grade students. This ensemble consists of students who have been playing for at least two years. This ensemble has more extensive performance opportunities, including four concerts and area concert band competitions. One group lesson per week is required.

HIGH SCHOOL JAZZ ENSEMBLE

1 CREDIT

Jazz ensemble will be a performance-based class where the student's grade will be derived primarily from the practice and performance of jazz studies and ensemble performances. Knowledge of notation reading is strongly encouraged for enrollment in this class. Students are required to keep a notebook with manuscript paper to assist in reinforcement of the different styles of rhythm, modality and articulation as they pertain to the literature discussed in class. Improvisation and soloistic playing are considered cornerstones of the class as well. This class/ensemble will perform up to four concerts per year.

SENIOR HIGH CHORUS

½ CREDIT

This is a year-long course for grades 9 – 12, that explores choral music from a wide variety of cultures and time periods through study and performance. The core curriculum emphasizes the basics of vocal technique, sight-reading, music theory and music history. Students in Chorus are expected to participate in one evening concert each quarter as a major part of their grade.

AP MUSIC THEORY

1 CREDIT

AP Music Theory is a class devised to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The achievement of this goal may be best promoted by integrated approaches to the student's development of aural skills through listening, sight-singing skills through performance, writing skills through written exercises, compositional skills through creative exercises and analytical skills through analytical exercises.

Students enrolled in this class will be required to take the AP exam in May. The listening and sight singing portions of the AP Music Theory examination will be administered by Ms. Karr. All other components of this examination will be administered similarly to other AP exams.

SCIENCE

EARTH SCIENCE

1 CREDIT

A course designed to enhance the students' understanding and appreciation of their environment and to involve them in the inquiry processes of science. Nine core units and three optional units are covered during the course. They are observation and measurement of the environment, measuring the Earth, Earth motions, energy in Earth processes, isolation and the Earth's surface, energy exchanges in the atmosphere, moisture and energy budgets and environmental change, the erosion process, the depositional process, formation of rocks, the dynamic crust, interpreting geologic history, landscape development and environmental change. Earth Science has a lab requirement in which students must participate in activities for 30 periods in lab and provide satisfactory reports of these activities. Students must take the Regents exam at the end of this course.

LIVING ENVIRONMENT

1 CREDIT

The NYS Regents Living Environment course is based on the content and understanding specifically addressed by the Living Environment Core Curriculum. These key areas include: similarities and differences among living organisms, homeostasis in organisms, genetic continuity, reproduction and development, evolution, ecology, human impact on ecosystems, scientific inquiry and skills, and laboratory skills. The instruction that takes place will focus on understanding important relationships, processes, mechanisms, and applications of concepts. Far less important will be the memorization of specialized terminology and technical details. The goal of this class is to build on the knowledge, understanding, and ability to do science. Students will learn to explain, analyze, and interpret biological processes and natural phenomena. Students will engage in various classroom and laboratory activities that are necessary to complete 1200+ minutes of laboratory instruction and will submit satisfactory lab notebooks and formal reports to meet the Regents requirements. Students must take the Regents exam at the end of this course.

LIVING ENVIRONMENT A

1 CREDIT

Living Environment A is the first year of a two year course leading to the Regents exam at the end of the second year. First year topics include: The Science of Biology, The Chemistry of Life, Ecology, Cell Structure and Function, Photosynthesis, Cellular Respiration, Cell Growth and Division and Evolution. Approximately 15 lab activities are conducted throughout the year.

LIVING ENVIRONMENT B

1 CREDIT

Living Environment B is a continuation of Living Environment A. Second year topics include: Genetics, Biotechnology, Homeostasis, Nervous and Hormonal Regulation, Animal Behavior, Excretion and Water Balance, Human Reproduction, Wellness and Fitness, Disease and Immunity. Approximately 15 lab activities are conducted throughout the year. Students must take the Regents exam at the end of this course.

CHEMISTRY

1 CREDIT

Chemistry is a Regents course that includes the study of matter, its structure, properties, composition and the changes that it undergoes. Students taking chemistry should have good self-discipline, an interest in science and should be considering a career in which the knowledge of science is essential. It is strongly recommended that students have successfully completed Algebra before taking Chemistry. Prior completion of a course in Physics is also beneficial. Chemistry has a lab requirement in which students will engage in various classroom and laboratory activities that are necessary to complete 1200+ minutes of laboratory instruction and will submit satisfactory lab notebooks and formal reports to meet the Regents requirements for this course. Students must take the Regents exam at the end of this course.

PHYSICS

1 CREDIT

Physics is a Regents course that includes the study of the physical world. This includes objects as small as atoms and as large as galaxies. It involves the investigation of the natures of matter and energy and how they are related. Students taking physics should be inquisitive people who look at the world around them with questioning eyes. The successful completion of Algebra is a recommended prerequisite for taking the course. Physics has a lab requirement in which students will engage in various classroom and laboratory activities that are necessary to complete 1200+ minutes of laboratory instruction and will submit satisfactory lab notebooks and formal reports to meet the Regents requirements for this course. Students must take the Regents exam at the end of this course.

ADVANCED PLACEMENT BIOLOGY

1 CREDIT

This course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. The ongoing information explosion in biology makes these goals even more challenging. Primary emphasis in AP Biology is on developing an understanding of concepts rather than on memorizing terms and technical details. Essential to this conceptual understanding are the following: a grasp of science as a process rather than as an accumulation of facts; personal experience in scientific inquiry; recognition of unifying themes that integrate the major topics of biology; and application of biological knowledge and critical thinking to environmental and social concerns. The AP Biology course is designed to be taken by students after the successful completion of a first course in high school biology and one in high school chemistry. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Students enrolled in this class will be required to take the AP test in May.

SOCIAL STUDIES

GLOBAL HISTORY & GEOGRAPHY 1

1 CREDIT

The first of a two-year course, based on the old "World History" concept, but much more complete. Social, cultural, economic, political and historical aspects of five separate areas will be stressed. As an "introduction to culture", the course looks deeply into various topics, but not as they relate to each of the five area studies. The teacher has to carefully pick and choose which areas to concentrate on, due to time limitations.

The five area studies are the Middle East and North North Africa, Japan, China, India and Sub-Saharan Africa. Typical topics of the year might include South African Apartheid, the Indian Caste System, Japan's Post-War Economic Recovery and the Arab-Israeli Conflict.

The course will concentrate heavily on the cultures of each region (and one or two countries within each area) and look not only at the topics previously mentioned, but also at their institutions.

GLOBAL HISTORY & GEOGRAPHY 2

1 CREDIT

A continuation of Global Studies 9, this course concentrates on a different set of cultural areas and on the growth and sophistication of skills introduced and/or taught in 9th grade.

The former Soviet Union and Eastern Europe, Latin American and Western Europe are the geographic areas of concern here, with a short unit on "Futuring" following them.

Typical topics found in this course include Roman Law and its influences, the Russian Revolution in Theory and Practice and the Era of the Caudillo in Latin America.

As this course is followed by a Regents exam, a rather long period of review is built into the final month of the course.

U.S. HISTORY AND GOVERNMENT

1 CREDIT

This is an American History course. The first third of the course concentrates on the United States Constitution. It is studied and interpreted in great detail; both as a political document and source of law, and as a catalyst for change. Many prominent historical court cases involving it are examined in detail.

The history portion of the course begins with the Reconstruction era, immediately following the Civil War and runs up to the present day. Although culture and society are certainly present, the course is truly an historical one.

The final exam for this course is the Regents exam.

PARTICIPATION IN GOVERNMENT

½ CREDIT

This course emphasizes the interaction between citizens and government at all levels: local, state and federal. The course will encourage students to understand and participate in the democratic process. It is based upon knowledge about the formal powers, procedures, and structures in government in the United States that have been developed on several previous courses. The course will be developed on several levels, from the study of how political decisions are made to the provision of opportunities for students to participate in political decision making. In addition to the more traditional classroom activities, students will be given opportunities to examine the substance of public policy issues and participate in some aspect of school, community or government service through a practical component. Throughout the course, key civic values and analytical concepts will be developed and reinforced. However, the ultimate goal will be to prepare students for effective participation in the United States democratic process.

ECONOMICS

½ CREDIT

This course will include the basic economic concepts and understandings that all persons will need to function effectively and intelligently as citizens and participants in the economy of the United States and of the world. Some of the major concepts that will be dealt with are scarcity, productivity, opportunity cost, supply and demand, inflation, profit, interdependence, capital, competition and the market. The course will not be one in consumer education, but will emphasize a rational decision making process which should be applied to all economic decision. The major focus will be on the economy of the United States. The course will include topics that examine the basic principles of economics, the elements of an economic system (microeconomics), the overall operation of an economic system (macroeconomics) and the world economy and international trade.

AFRICAN AMERICAN HISTORY

½ CREDIT

This course has three main objectives:

1. To encourage voting and participation in government among high school students. By studying a specific group in U.S. history that has been denied the right to participate in government, the importance of voting will be realized and appreciated by those who take this class.
2. To dismiss stereotypes. A large part of views and opinions of students about minorities come from television and movies. Exposure to the struggle of African Americans in history will allow them to make their own judgments and form their own opinions.
3. To encourage empathy. As students are made aware of situations in African American history they can reflect on how they may have reacted; and at what point they would not have tolerated the racism in society and law. Studying the past struggles of African Americans will give students a greater understanding of the present and future of race relations.

AMERICA AT WAR

½ CREDIT

America at War studies (the wars may change over time) The Civil War and World War II. This class takes an in depth look at the impact of the wars on the American population and the battles themselves. Students will be able to look at the life of soldiers and decisions of leaders in a way that our other survey classes have little time for.

ADVANCED PLACEMENT US HISTORY

1 CREDIT

The objective of this course is to provide grounding in the subject matter of American history and in major interpretive questions that are inherent in the study of any history. To achieve this objective the following materials will be required reading:

The American Pageant by David Kennedy, Elizabeth Cohen and Thomas Bailey

Don't Know Much About History by Kenneth C. Davis

In addition there will be numerous handouts and several monographic studies dealing with specific topics in American History.

It is expected that you will not only be able to comprehend and retain the information in these readings, but also that you will be able to analyze, interpret and evaluate these materials. Students enrolled in this class will be required to take the AP test in May and the US History Regents exam in June.

ADVANCED PLACEMENT GOVERNMENT

1 CREDIT

This course is designed to provide students with a comprehensive understanding of the governments at work around them. The class involves both the study of general concepts used to interpret American politics and the analysis of specific case studies. Those students who successfully complete the course will have a greater appreciation of the structures of American government and how they operate. Students enrolled in this class will be required to take the AP test in May.

TECHNOLOGY

Fall Semester

Spring Semester

Group 1

2018-2019

Technical Drawing (4)

Architectural Drawing (4)

2021-2022

Transportation Systems (6)

Robotics (6)

Manufacturing Systems (8)

Energy/Power (8)

Group 2

2019-2020

Computer Aided Design (4)

Residential Structures (4)

2022-2023

Construction Systems (6)

Materials Processing (6)

Construction Systems (8)

Transportation Systems(8)

Group 3

2020-2021

D.D.P. (4)

D.D.P. (4)

2023-2024

Materials Processing (6)

Manufacturing Systems (6)

Robotics(8)

Energy/Power (8)

COMPUTER AIDED DESIGN

½ CREDIT

Introduction to the various input and output devices and various computers that configure computer aided design systems. Develops an understanding and an appreciation of the types, uses and advantages of the different systems components which comprise a computer aided design systems and the impact of computer aided design on industry and careers. Application of a computer aided design systems to design, mechanical drawing and drafting is included.

ENERGY/POWER

½ CREDIT

This course emphasizes the evolution of energy sources as a foundation of technology, and fundamental to the systems of communication, transportation and production.

MATERIALS PROCESSING

½ CREDIT

A generic and broad view of the way humans change materials. The course differs from the traditional approach of study of a specific material, in studying various materials undergoing similar processing techniques. For example, separating (cutting) is a generic concept. Woods, metals, ceramics, polymers and other materials are all separated, often by similar technique, such as sawing. This course is organized in a systems format; the resources, processes and effects are the organizing theme. The student will have a rather complete view of the variety in materials processing. Students will be involved in laboratory activities.

RESIDENTIAL STRUCTURES

½ CREDIT

Residential structures is a study of the many systems and skills involved in constructing residential buildings. Course content includes resources (e.g. planning, materials, supplies, finances), processes (e.g. framing, roofing, plumbing, insulation) and outputs and effects (quality assurance, environmental impact, economic consequences).

ARCHITECTURAL DRAWING

½ CREDIT

A study of design and drafting related to building construction. Topics include: culture and history, tools and techniques, lettering, aesthetics, site plan, area/room planning, floor plan, perspectives and careers.

ROBOTICS

½ CREDIT

Students will be introduced to the programming and building of a programmable robot. They will look at natural language and graphical code which are the industrial standard. Students will be given various challenges throughout the course. Within these challenges, they will have to program various sensors so their robot can do autonomous and operator controlled movements. This course will also emphasize the engineering process and safety when dealing with the robots.

TRANSPORTATION SYSTEMS

½ CREDIT

The development of transportation systems throughout the world has a tremendous impact on the intellectual and economic growth of societies. Transportation systems allow people to move not only themselves, but also durable and nondurable goods in increasingly fast and efficient ways. This course will explore transportation systems from three perspectives: land, marine, and aerospace. The first perspective, land, is organized around the systems concept, including: inputs, resources, process outputs, and monitor/control components. Among the modes covered are: fixed, random and stationary. The second perspective, marine, is organized according to the following components: inputs, resources, process, outputs and monitor/control. Inland marine devoted to canals, domestic lakes and coastal waterways, whereas maritime treats transport perspective in large inland lakes and oceans. The third perspective, aerospace, like the two preceding is organized around the systems concept. Content is divided into systems that operate in the atmospheric environment and those that operate in the space environment.

TECHNICAL DRAWING

½ CREDIT

This course provides the student with basic knowledge about technical drawing. The topics covered will enable the students to comprehend the need for technical drawing and its importance to today's technological world through hands-on experience in freehand sketching, pictorial drawing and mechanical drafting techniques.

CONSTRUCTION SYSTEMS

½ CREDIT

Construction systems is organized around the universal systems model with inputs, resources, processes, outputs, and control as major categories. These five categories have been specifically tailored to construction concepts and correlate very closely to the

universal systems model. Most of the residential buildings, commercial buildings, roadways, dams and bridges used by man are a result of construction activity. This course is one of the New York State approved systems courses in technology education.

MANUFACTURING SYSTEMS

½ CREDIT

Basic human needs for clothing, food and protection lead to our present manufacturing system. In addition, many non-material products improve the standard of living. A thorough understanding of the elements of the manufacturing system enables students to better understand the world around them. Manufacturing is organized around the universal systems model with inputs, resources, processes, outputs and control as major categories. These five content organizers have been directly related to manufacturing. Currently, new developments in areas such as robotics, fiber optics, lasers and computer aided design systems are being utilized in manufacturing systems. These developments and automated manufacturing systems are related to careers.

DESIGN AND DRAWING FOR PRODUCTION

1 CREDIT

The ultimate goal to be achieved when providing instruction through using Design and Drawing for Production is to equip each student with the necessary knowledge and skills needed to reach full potential as a human being. Design and Drawing for Production encourages visual problem solving using a common graphic language to describe forms in the human made environment. To enable the student to analyze, creatively design and critically evaluate these forms, the course requires researching for historical precedents, cultural references, environmental impact, and future vision. Other simulation techniques such as model building help develop an ability to analyze and demonstrate an understanding of three-dimensional forms in space. Application of these design and drawing activities and simulation techniques ultimately result in the manufacturing of products, design of transportation systems, the integration of communication and the construction of buildings. It is recommended that, if able, the student take Technical Drawing prior to taking this course.

PHYSICAL EDUCATION/HEALTH

PHYSICAL EDUCATION

½ CREDIT

Physical Education is a required course for all students in grades 7 – 12. The curriculum includes team sports, individual sports, swimming and fitness activities. The student will receive ½ credit for the full year.

HIGH SCHOOL HEALTH

½ CREDIT

Health is a required course for all students in high school. It is an in-depth study of nutrition and exercise, mental health – stress, drugs, and AIDS. This is a one semester course.

VOCATIONAL PROGRAMS AT WILDWOOD

AUTOMOTIVE TECHNOLOGY

The automotive technology program is a great beginning for students interested in a career in the automotive field. Automotive technology is the science of diagnosing, maintaining and repairing today's modern automobiles. The modern automobile has gone high-tech with anti-lock brakes, traction control and many more new technical features. This has put much of the auto repair beyond the grasp of the "do-it-yourselfers". Units of instruction will teach students about diagnostic techniques, brake systems, wheel alignment and many more. Successful students will graduate with the skills, certifications and knowledge necessary to enter the workforce, military, or continue their education at a post-secondary institution.

AUTOMOTIVE BODY REPAIR

Students completing the auto body program will have the opportunity to become a competent, entry-level repair person in the auto body field or pursue continuing education at one of the many nationally recognized post-secondary educational institutions. Students learn to safely and competently restore/repair a vehicle to its original condition. This repair will correct body deterioration due to age or collision damage. Students will develop skills in estimating, service preparation, metal repair, plastic repair, sandblasting, MIG welding, spray painting and many more. Related trade knowledge is acquired through the use of computerized research, parts manuals, trade publications, crash manuals and other information associated with the auto body industry.

BUILDING CONSTRUCTION

As a building construction student, you'll have the opportunity to learn house framing, window and door installation, siding application, roofing, and basic cabinet-making along with others. This course encompasses all processes and degrees of house construction. You will receive exposure to brick, block laying and blueprint reading. In addition, you may assist in the construction of a full-size, ranch-style house. The safe operation of a variety of power, hand woodworking tools and machines is another essential part of the program. The building construction program is designated a National Center for Construction, Education, and Research (NCCER) site.

CAREER BEGINNINGS

The Career Beginnings (B) program is designed to help teach students the fundamental skills necessary to successfully transition into entry-level employment or the Career Exploration (E) program. Students will participate in classroom instruction and work on project-based activities, while also being provided with the opportunity to earn CDOS hours and gain hands-on experience with the tools and equipment used in the Career and Technical Education (CTE) programs. The same content presented in CTE programs on the Wildwood campus is taught to students at an introductory level. This program will help students develop their understanding of the proper safety and sanitation expectations, as well as provide them with hands-on experience with real-world tasks. In order to maximize this educational opportunity, following safety and sanitation skills associated with entry-level employment and CTE programs is a requirement. Upon successful completion of the program, the students will also earn half a credit of Career and Financial Management and half a credit of Health.

CAREER EXPLORATION

The Career Exploration (E) program is designed to introduce students to careers and develop job-specific skills that will enable them to successfully transition into a two-year Career and Technical Education (CTE) program of their choice. This program is for students who have already demonstrated the maturity and ability to independently master the entry-level employment skills taught in the Career Beginning (B) program. Students participate in classroom instruction, as well as work on project-based activities. Ultimately, this program's intent is to teach students the foundational skills necessary to safely and successfully transition into a CTE program by functioning similarly to such programs on an introductory level. Students must demonstrate the ability to learn and follow the safety, sanitation, and academic expectations of the CTE programs. When students demonstrate mastery in the Career Exploration (E) program, they will be eligible to audit a CTE program. If the audit is successful, the student may be eligible to enroll in the CTE program or earn an opportunity to audit another CTE program.

CISCO Networking Academy

Computer information technology is a CISCO nationally certified networking and computer repair program

Year 1-PC Technician

In the first year, students will learn the basic concepts of computer systems and skills necessary for successful employment in the information technology industry. Basic computing and internet literacy will be the focus of the beginning of the course with the remainder of the course covering computer software and hardware architecture, with concentration on troubleshooting, upgrades, and repair. Earning CompTIAs A+ certification means that the individual possesses the knowledge, abilities, and customer relation skills essential for becoming a successful entry-level computer service technician.

Year 2-Network Technician

In the second year, students will learn to design, build and maintain computer networks. The curriculum covers a broad range of topics from the basic networking skills, such as pulling cable, to more complex concepts such as applying advanced troubleshooting tools. The program combines instructor led, online learning with hands-on laboratory exercises where students apply what they have learned while working on actual networks. The students will work to a level of competency to challenge the Cisco Certified Network Associate (CCNA) and/or Network + exams.

COSMETOLOGY

The cosmetology curriculum is designed to give students the skills needed to pass the New York State licensing exams, as well as skills necessary for employment. In addition to all the technical skills required within this 1000 hour course, students will be introduced to several technical areas, including bacteriology and decontamination, chemical relaxing and soft curl permanent, anatomy and physiology, electricity and light therapy, salon business, practical application into salon environment among others.

CRIMINAL JUSTICE

The first four instructional units of Criminal Justice are designed to prepare the student with the basic theory in the security or law enforcement fields. Patrol function, investigative functions and techniques are strong core programs, which provide the student skills for employment. Other units include emergency response, first aid and CPR, and basic law training, all of which provide a good theoretical basis for further study and employment. The last four instructional units of Criminal Justice provide advanced study of patrol and investigation, plus additional supervisory and administrative theory. Forensics is a strong part of the entire program and gives the student a strong foundation for investigative work beyond high school. A work experience program is incorporated that allows the student to work at a sheriff's department, local police agency, county court or private security agency.

CULINARY ARTS

The culinary arts program uses the Pro-Start and ServSafe curriculums, both approved by the National Restaurant Association (NRA) to teach the fundamentals of cooking and baking, restaurant management customer service, among others. Students develop an understanding of the historical background and themes of the culinary arts field. The program gives students the opportunity to learn and practice the technical and practical skills used in the foodservice industry. Students who complete the culinary arts program will be prepared to go on to college or enter the workforce upon graduation. The culinary arts program at both Wildwood and Cooper's Education Centers, is the first ingredient in a recipe for success.

DIGITAL MEDIA ARTS

Digital Media Arts is a unique technology-based program that prepares students for a career in today's most dynamic and rapidly growing communications related fields. The

program is a student's first step toward becoming a professional in the world of graphic design, printing and publishing, illustration, web-design, video production, animation, photography, and many other related areas. The program features new digital design media fields of web development with the latest computer graphic technology and professional software, enabling students to gain the foundations of design and then apply their learned skills to many forms of hands-on visual communication projects. Students have the opportunity to earn valuable, industry-recognized certifications, and may also earn advanced placement credits with several area colleges as an enrolling Computer Graphics & Design major.

HEAVY EQUIPMENT

Students in the heavy equipment/conservation program study the operation, maintenance and repair of heavy equipment. Students demonstrate skills for on-and-off road truck driving, welding, soils, conservation, surveying and related units. The program gives the students the appreciation of theory, academic integration, technical skills knowledge, "hands-on" classroom instruction, and field project experience. The heavy equipment/conservation program is designated a National Center for Construction, Education and Research (NCCER) site. Students will be required to take nationally standardized exams in order to earn national certification in several NCCER topics of instruction.

Nurse Assisting

Health Occupations is a New York State license program. It builds on a core program as an introduction to all health occupational careers. After successful completion of the core curriculum, students may enter either Nurse Assistant or Health Related Childcare. In the second year, Health Occupations II includes Advanced Health Related Child Care and/or Nursing Assistant programs. Supervised clinical experience is included for all programs in various related sites, such as St. James Mercy health, Mercy Care Health Care facility, Head Start, St. James Day Care, and doctor's offices.

WELDING & METAL FABRICATION

Welding students will learn the proper procedures for welding and the recognition of metals. You will also receive instruction in proper safety and the care and use of small hand and power tools used in the trade of metal fabrication. The goal is to prepare students for employment in the welding field by offering effective hands-on and classroom training to meet local industrial standards.

NEW VISIONS MEDICAL

The course is designed to provide the senior year student with an opportunity to study basic medical concepts and investigate areas of interest through job shadowing experiences. In addition students can receive 8 college credits from Alfred University in anatomy and physiology. In the laboratory, students study tissues using prepared slides, skeleton and animal dissection. Clinical rotation will be based on individual

student interest. Choices include, but not limited to the following: radiology, stress test lab, occupational therapy, pediatrics, cardiac rehabilitation, and many more.

NEW VISIONS EDUCATION & HUMAN SERVICES

This course is designed for accelerated, college-bound seniors who are interested in pursuing a career in the field of education or human services. This program is demanding and extremely rewarding for a highly-motivated, mature, and academically-capable student. The New Visions Education and Human Services curriculum emphasizes expanding written and oral communication skills. Students acquire new knowledge through independent and cooperative learning and demonstrate learning through traditional and non-traditional assessment methods. Classroom time is supplemented with many different on-site rotations at various local schools and community agencies. Students learn about the foundations of education, write and execute lesson/therapy plans, learn and apply skills in peer mediation and conflict management, complete mandated reporter training and develop an understanding of general case management. Students also obtain knowledge through hands-on experiences and mentoring by professionals in the fields of education and human services.

STUDENT ACTIVITIES AND CLUBS AT ALFRED-ALMOND

National Honor Society	Mr. McAneney
Student Government	Ms. Carretto
Math Club	Mrs. Bensley
Stage Crew	Ms. Acker
Drama Club	Ms. Karr
French Club	Ms. Hatch
Spanish Club	Mrs. Byrne

Computer Club
Academic All Stars
Alcen Staff (Yearbook)
Fire Wardens
Robotics (depending on funding)
Athletic Council
Ski Club
Dances/Prom
SPECTRUM

Mrs. Kuhn
Mr. Donlon
Mrs. Valentine
Mr. Levey
Mr. Levey
Mr. Holmok
Mr. Rech
Class advisor
Mrs. Decker

SPORTS

Soccer
Tennis
Swimming
Wrestling
Skiing
Basketball
Softball
Baseball
Track

ALFRED-ALMOND CHAPTER NATIONAL HONOR SOCIETY

Membership in the National Honor Society is recognition of a student's academic standing, leadership, character and community service.

Each year those students who are in the sophomore, junior and senior class whose academic average is 85% or better are considered by the school faculty for National Honor Society. Students who meet the 85% minimum academic average are informed and told what paperwork needs to be completed. Those students who have a record of leadership, character and service both in school and the community are selected. A formal induction ceremony is held and the new members are announced.

Membership in the National Honor Society becomes part of the individual's academic record and is nationally recognized. Additionally, there are area state and national scholarships for which only members may be considered

ACADEMIC ALL STARS

Academic All Stars compete during the month of March in a "Jeopardy" style quiz bowl. The all stars compete with schools of similar population from Steuben County. In each competitive event, four A team members (students with the previous year's averages above 90) and four B team members (those with an average below 90) face off against students of equal academic standing. All questions relate to New York State curriculum and current events from the past year. Alfred-Almond has had a strong team since the program's inception. If this sounds like an activity that you would enjoy, join us during activity periods from November through March.

ALCEN STAFF

Students on the ALCEN staff prepare the yearbook and manage the sale of the book and the ads. They may choose to write articles on the copy staff, design pages on the layout staff, take pictures on the photography staff, manage the sale and layout of the advertising or manage and conduct the sale of the book.

Most of these require a substantial time commitment from October to February when the book goes to press.

COMPUTER CLUB

Computer Club is for anyone in grades 7 – 12 who wants to learn more about the use of computers and do fun and exciting activities. Activities include contests using different software (ex. Adobe Photoshop). Students also learn some basic computer programming in different languages such as HTML and C++. Also, once a year, the club has a fundraiser to buy new equipment and software.

FRENCH CLUB (Jr. and Sr. High)

The Junior and Senior high French clubs are advised by the French teacher Ms. Hatch. Any student taking French may join a club. Each year the clubs prepare fun and exciting activities as well as take a trip to a French speaking country. Some activities from previous years include: scavenger hunts in French, attending live performances of French plays, playing “lotto” for prizes, designing French T-shirts, watching French films and cartoons, making crepes, fondue and other French food, initiating new members with crazy activities and going to a French restaurant for dinner. Every year each club elects new officers who always come up with great ideas and exciting adventures for their members. Join us and share in French culture and fun! Vive le Français!

FIRE WARDENS

This select group of upperclassmen help assist in the evacuation of students and school personnel during fire drills. Under the direction of Mr. Levey, this group is trained to maintain a safe and orderly dismissal in the event of a real emergency.

ROBOTICS

Robotics Club is for anyone in grades 7 – 12 who wants to learn more about the use of robotics and do fun and exciting activities. Some of the activities include contests, both on land and in water. Students will program the robotic to do various tasks, both autonomous and joystick controlled. They will also learn computer software programming.

SKI CLUB

Ski Club is open to students grades 5-12. The club schedules six visits to Swain Resort on Saturday afternoons, during the months of January and February, leaving the school at 3:30 pm and returning at 9:30 pm. Want to learn how to ride a board or to ski? No problem, a lesson by Swain Resort instructors is included with your purchase. A four-

pack of lift tickets and rentals will get you started - for prices check with the club adviser. Orders are placed in mid-October for your tickets, often an early Christmas gift for some students. Or, just plan ahead with your summer job and savings account so you can get out there with your friends! This is a great way to enjoy some outside activity during the cabin-fever months!

SPANISH CLUB Jr. and Sr. High

The focus of the Spanish clubs is to further investigate and enjoy Spanish and Hispanic culture. Meetings are held every three to four weeks with the purpose students will make crafts, discuss culture and experience typical foods. Yearly trips to cities such as Washington DC or New York City are organized to encounter first hand their diverse cultural activities. In the spring, members dine at a restaurant featuring Hispanic cuisine. Students have the opportunity to defray the costs of out of school trips by participating in the club's fund raising activities.

STUDENT GOVERNMENT

Alfred-Almond's student government is a service organization that sponsors such events as spirit week, school recycling, Sham Jam, food drive, and Earth day. Student government president and vice-president and representatives assist students with improving the school environment. These are all elected positions. This is supervised by Ms. Carretto.

SCHOOL DANCES

Students in grades 7-12 only can attend. Tickets are sold the week of the dance during lunch mods only. No guests older than 12th grade are allowed. Any guest must get permission to attend. A form is available in the main office. Guests will need to have their principal and parent to sign off on the permission form.

SEMI FORMAL DANCE

This is a January dance. Students in grades 9-12 can attend. Tickets are sold the week before the dance during lunch mods. Any guest must get permission to attend. A form is available in the main office. Guests will need to have their principal and parent sign off on the form.

JUNIOR/SENIOR PROM

This is a formal dance for juniors and seniors in May. Juniors/Seniors are allowed to bring a guest in grades 9-12. Tickets are on sale 2-3 weeks prior to the dance during lunch mods. Dinner/Dance is held at Alfred Lake Lodge. Any guest must get permission to attend. A form is available in the main office. Guests will need to have their principal and parent sign off on the form.

