HORSEHEADS HIGH SCHOOL

Course Selection Guide

2022-2023

Cover Art Designed by

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Horseheads Class of 2021

GST BOCES Digital Media Arts

Vision Statement

Horseheads Central School District sets the standard of educational excellence by fostering innovative thinking, curiosity, and a passion for learning to maximize the potential of each individual. We engage with our local and global communities to provide a student-centered, nurturing environment.

Mission Statement

Explore ***Empower*** ***Excel***

Value Statements

*We **Explore** through local and global opportunities, a culture of innovation, and individual learning paths.*

*We **Empower** each other by rising to challenges, celebrating success, and learning from failure.*

*We **Excel** as a result of our passion for learning, the quality of our character, and the strength of our relationships.*

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Introduction

To Horseheads High School Students and Parents/Guardians:

This curriculum guide has been designed to help both students and parents/guardians to plan for next year's academic schedule and beyond. The guide reflects information on courses we will offer during the 2022-2023 school year.

Prior to making course selections, it is important that both parents/guardians and students understand the graduation requirements for Horseheads High School and the courses needed for the Regents and Advanced Regents diplomas. Our school counselors are available to help clarify graduation requirements. Additionally, you should carefully read the course description to be sure that the classes selected will meet student individual academic needs. Our counseling department can be helpful in clarifying any questions you may have about courses.

I encourage each student to plan carefully for the upcoming year. The master schedule reflects the courses requested by students and, once developed, cannot be changed. We are unable to honor specific requests for individual teachers and, once students have been assigned to courses and deadlines for changes have passed, students **will not be allowed to change classes.**

Through the scheduling process, course offerings may change for a variety of reasons. For example, state requirements, staffing, budget concerns, and the number of student requests can all influence the final course offerings.

In conclusion, please take time to thoroughly review and select your courses. With approximately 1300 students at Horseheads High School, it is important that parents/guardians and students make the most out of this process. To the best of our ability we will provide a schedule that meets the student's academic goals and allows you to take advantage of the diverse programs we are able to offer. Please contact the student's school counselor if you have any questions.

Kris Earl
Principal

The Horseheads Central School District offers educational programs without regard to race, color, national origin, creed, religion, marital status, military status, sex, sexual orientation, age, gender identity, predisposing genetic characteristic, or disability, and provides equal access to applicable groups under the Boy Scouts of America Equal Access Act. Inquiries regarding this policy may be made to Caitlin DeFilippo, Title IX/DASA Coordinator, and Co-Civil Rights Compliance Officer; Anthony Gill, Co-Civil Rights Compliance Officer; or Kim Williams, Section 504 Coordinator, Horseheads Central School District, 143 Hibbard Road, Horseheads, NY 14845, (607) 739-5601. This policy of non-discrimination includes access by students to educational programs, counseling services, course offerings, and activities, as well as recruitment and appointment of employees and employment pay, benefits, advancement and/or termination. The following person(s) has been designated to handle inquiries regarding the non-discrimination policies: Caitlin DeFilippo, Director of Human Resources, cdelippo@horseheadsdistrict.com, 143 Hibbard Road, Horsehead Central School District, Horseheads, NY 14845, (607) 739-5601 and US Department of Education, Office of Civil Rights, LBJ Department of Education Building, 400 Maryland Avenue SW, Washington, DC 20202-1100, (800) 421-3481.

The Dignity Act Coordinator (DAC) for Horseheads High School is Mike McCawley. Complaints regarding discrimination, harassment, or bullying of any students should be referred to Mr. McCawley (607) 739-5601, ext. 1603. The Dignity Act Coordinator for the Horseheads Central School District is Caitlin DeFilippo and she may be reached at 143 Hibbard Road, Horseheads, NY 14845, (607) 739-5601, ext. 4211.

Graduation Requirements And Pathways to Diploma

New York State has introduced new options in recent years for students to meet graduation requirements. The Regents exams that have been traditionally used to satisfy the testing requirements for a Regents and Advanced Regents Diploma still remain. However, the state has designated additional "pathways" for students to satisfy diploma requirements, generally through some variation in the required exams. While these pathways are referenced below, please note that all students will have to take the five core exams as Horseheads uses the Regents exam as the final exam for the corresponding courses. Counselors will work with students who may need to pursue a pathway in the event the student is not successful on one of the traditional exams.

Parents who have any questions about graduation requirements are strongly encouraged to contact their child's counselor.

Use the following link for a complete description of New York State graduation requirements:

www.nysed.gov//curiculum-instruction/general-education-and-diploma-requirements

Regents Diploma

Course Requirements

English – 4 units
Social Studies – 4 units
Mathematics – 3 units
Science – 3 units
World Language – 1 unit
Health – 1 unit
Fine Art – 1 unit
Physical Education – 3 units
Electives – 3
Total: 23 units of credit

Testing Requirements

English Language Arts Exam
Global Regents Exam
US History Regents Exam
Mathematics Regents Exam
Science Regents Exam

All exams must have a 65% or above passing score

Regents Diploma with Advanced Designation

Course Requirements

All of the above Regents Diploma requirements, plus the 23 units of credit must include ONE of the following:

- 2 additional units of World Language
- 5-unit sequence in Fine Art
- 5-unit sequence in Family & Consumer Science
- 5-unit sequence in Technology
- 5-unit sequence in Career & Technical Education

Testing Requirements

English Language Arts Exam
Global Regents Exam
US History Regents Exam
3 Math Regents Exams
2 Science Regents Exam
(1 must be a Life Science &
1 must be a Physical Science)
World Language Exam
(for those pursuing the additional units of World Language)

4+1 Pathways

In the event that a student is not successful on one of the two Social Studies exams, the state will allow a 4+1 Pathway to satisfy the testing requirements. This can be achieved by passing an additional math, science, CTE exam, or by completing the CDOS Credential. Counselors will work with individual students to decide what pathway is appropriate if a pathway is required.

Local Diploma Option

A Local Diploma is only available to students with an IEP or designated safety net eligible 504 plan. The diploma requires all the coursework be taken and passed that is required for the Regents Diploma. The state allows for a low pass safety net which considers a 55-64 passing score on the Regents exams for a student earning a Local Diploma. The state also has a compensatory safety net where a

score of 45-54 on any required Regents exam (except ELA and Mathematics) can be compensated by a score of 65 or above on another required Regents exams. It is essential that a student work with their school Counselor to determine if the safety net option will apply in their case.

Career Development and Occupational Studies Commencement Credential

A CDOS Commencement Credential can be used as a standalone high school exiting credential that shows students meet work-readiness criteria, to supplement a high school diploma, or to help meet Regents diploma requirements as outlined above. To successfully meet the CDOS Commencement Credential requirements, students must complete a career plan and demonstrate attainment of career exploration and development learning standards. CDOS requirements integrate academic coursework and workplace readiness skills. Students must complete the equivalent of two units of study in Career and Technical Education coursework, including 54 hours of work-based learning, and at least one employability profile.

All New York State students may exit high school with the CDOS Commencement Credential if they are unable to meet the diploma requirements. **At no point should a decision be made that a student stops working toward a high school diploma in order to concentrate only on earning this credential.**

Graduation Endorsements

Horseheads Honors Graduate

A student with an 85.00 or above cumulative grade point average at the time of final senior ranking will be considered an honors graduate and will receive such designation at graduation. This determination is made at the end of the seventh marking period in the senior year.

New York State Honors Endorsement

A student earns a computed average of at least 90 on all Regents examinations applicable to either a Regents diploma or a Regents diploma with Advanced Designation. This average cannot be rounded up. The locally developed Checkpoint B LOTE examination is not included in the calculation.

Mastery in Math and/or Science

A student meets all the requirements for the Regents Diploma with Advanced Designation and earns a score of 85 or better on three math Regents examinations and/or three science Regents examinations.

Technical Endorsement

A student meets the requirements for the local diploma, a Regents diploma, or a Regents diploma with Advanced Designation and successfully completes a department approved CTE program including the 3-part technical assessment.

Course Selection Process

Counselors at the Middle School will work with eighth grade students selecting ninth grade courses. High School Counselors will work with all students currently at the high school to select courses for the next academic year.

These meetings are part of the NYS mandated academic review that ALL students must have with their certified school counselor. This meeting is an important time where the counselor and student can spend time discussing future plans with students. We always welcome parent input, but we also want to hear the student voice. This is a great opportunity for students to build their self-advocacy skills and use honest self-appraisal to make choices. Counselors also work on the state mandated career plan with students during these course selection meetings.

Course Selection Meetings

Typically, counselors start meeting with students to discuss courses for the next school year in January or February. Counselors will continue these meetings through the beginning of April. Course selection is based on courses required for graduation, student interests, career goals and post-secondary plans. Factors such as the student's past achievement, teacher recommendations, and the availability of classes have an impact on student schedules.

Course selection is just that, selecting the courses you would like for next academic year. It is not setting up a schedule for the next school year. We cannot specify a specific period or teacher for a class with any student during this meeting. By selecting courses, we are gathering the data used by our building administration to make decisions on the number of class sections we need to offer for each course, and if necessary, which classes must be cancelled due to low enrollment or staffing limitations.

It is very important to know that request to have classes or lunch scheduled in a specific semester, period or with a specific teacher will not be honored.

Student schedules are created over the summer months. Students will not receive their schedules until the first day of school.

Freshmen Restrictions

One benefit of the intensive block schedule used for the high school is that students can accelerate their course of study by taking two classes in the same academic area during the same school year. Freshmen are restricted from accelerating in more than one subject area, or what is often referred to as "doubling up." The restriction is due to staffing limitations at the high school.

Class Conflicts

A conflict occurs if a class that a student selected during the spring meeting will not fit in the course schedule. If a student has a conflict with a course, a counselor will contact that student over the summer to find a resolution. It is important that we have up to date contact information so that we can reach any student over the summer that may have an issue with their class schedule. If you do not receive a phone call or email, then the courses selected with your counselor have been successfully scheduled.

Please note, your counselor will ask you to pick an alternate selection for all half credit courses. If your first choice half credit elective does not schedule, we will use the alternate and not contact a student over the summer.

Minimum Number of Courses

As there are no study halls at Horseheads High School, every student must have a full schedule.

Lunch

Each student is scheduled to have one lunch period at the High School. Students may not leave the school during their lunch period.

Some students may request to give up their lunch period to be able to schedule a class. We require any student electing to not take a lunch period to have a request form signed by the parent. This form will be given to the student at the time of course selections if requested.

Schedule Changes

Schedule changes are NOT permitted at the high school due to the intensive block schedule. Students cannot change from one class to another simply because they do not like the class. Therefore, students should be thoughtful in selecting classes and abide by the deadline dates for any course changes.

As a semester begins, the only changes to schedules that are allowed are for level changes. A level change is only used in an academic class that has an alternate level available. This type of change is only made after conversation with the teacher, student, counselor, and parent have occurred and all agree that it is the best academic plan for the individual student to make a move. Level changes can only be made if the alternate class has space and if it will work within the existing schedule with minimal disruption to other courses. Students cannot change from one curricular area to another as a level change.

Early Release from School

Horseheads High School offers a wide selection of courses and encourages students to take full advantage of course offerings. Therefore, we do not encourage an early release from school. However, seniors may petition for an early release from school for employment or alternate learning opportunities.

Requests for early release are conditional upon a student's individual schedule and will only be honored if approved by the parent and principal. Seniors who need to be on school grounds after school hours (sports, clubs, etc.) are NOT eligible for early release. Seniors who request this privilege must follow the part day pass procedure and must be able to complete the courses required for graduation. Seniors may not drop classes after the semester has started for early dismissal.

Rescheduling of Courses Failed

Every attempt should be made on the student's part to successfully pass each course and seek out resources for help when they have difficulty. A student who fails a course which is required for graduation must repeat the same course or a comparable course to meet the requirement.

Courses may be repeated through an area summer school program if available and if the student is eligible. Students are not eligible for summer school if they have below a 50% numeric average for the failed class, if they exceeded the Horseheads class attendance policy, or if they have not met the state laboratory mandate for any lab science.

Courses may be scheduled in the following academic semester only if there is space available in the class. We encourage completion of a failed course in a summer school program if possible in order to avoid scheduling issues in the student's remaining high school years. Students will not be allowed to move on in a progression of courses if the prerequisites have not been passed.

Important Deadlines

As our principal's introductory letter stated, we do not allow changes to courses past specific dates. Please take note of these dates and proceed accordingly. All course change forms require parent signatures for approval.

- After your Course Selection meeting in the spring, changes can be made through your school counselor through the last day of classes. The form mailed home with the course scheduling packet can be used for this change.
- From the Monday after graduation through July 31st, course change requests must be made through the petition process (blue form) at the high school. This form is available on the high school website and in the Counseling Office.
- After July 31st, no course change requests are allowed. Students will not be able to change first semester classes.
- Once school start, students can request to change second semester classes ONLY. This deadline is the LAST day of first semester classes.

Horseheads Promotion and Retention Policy

Grade level or class standing shall be determined by the accumulation of Carnegie units by the student. The student then shall be placed in the appropriate homeroom.

Horseheads BOE policy 4750-R approved 05/2015

Promotion

In order for a student to be promoted to the next grade level, a student must complete a required number of credits and complete academic classes.

- To achieve 10th grade or sophomore status, a student must earn four (4) credits, including the successful completion of two (2) academic subjects.

- To achieve 11th grade or junior status, a student must earn nine (9) credits including the successful completion of four (4) academic subjects and one (1) credit of physical education.

- To achieve 12 grade or senior status, the student must be in the position to graduate in August of the current school year.

Courses will be taken in their normal progression and prerequisites must be adhered to. For example, English 10 will be taken after the successful completion of English 9.

Subject Retention

The Carnegie unit of credit of any failed subject or course in grades nine through twelve must be made up through either repetition of the course, a substitute course or through an approved summer school program if the credit is to be awarded.

Early Graduation

The program of studies offered at Horseheads High School is based on student attendance over a four school year period (grades 9-12). Some students may receive permission to graduate early by completing their diploma requirements prior to June of their projected senior year. There are two scenarios for early graduation: students may elect to graduate one semester early and complete their requirements in January of their senior year OR students may elect to graduate one full year early. Students electing to graduate a year early will "skip" their junior year and be promoted from 10th grade to 12th grade. Each student requesting permission to complete the requirements for graduation prior to their projected graduation date (early graduation) must complete the "Request for Early Graduation" form.

Approval of requests for early graduation must be given by the principal. In general, the student's progress while in high school and the student's plans for the time period immediately following early graduation are the determining factors for granting or withholding approval.

All requests for early graduation must be received in the high school office by July 31st preceding the start of the academic year in which the student intends to graduate.

In some cases wherein a student requests permission to graduate one year early, a conference with the student, parent, counselor and principal may be required.

In the event of an unforeseeable situation that results in a request for early graduation after the submission deadlines, a conference of the student, parent, counselor and principal may be held.

**Please note that if a student applies for early graduation and rescinds the decision to graduate early, the request must be provided in writing.

College Credit Opportunities

There are two methods or earning college credit in the high school setting: through Advanced Placement examinations or through dual enrollment courses.

It is important to note that the transferability of any college credit is not guaranteed. Each college and university sets forth their own standards and acceptance practices. Each student should check with the colleges that they intend to apply to for their credit transfer policy.

Accelerated College Education (ACE)

The ACE program is a dual enrollment program in partnership with Corning Community College. Students take SUNY CCC courses at Horseheads High School, earning both one high school credit as well as designated credit hours through Corning Community College. All courses are taught by high school faculty who have the appropriate degree and credentials required by SUNY CCC to act as adjunct instructors.

There is no cost to students to take ACE classes; however, there are set pre-requisites to each course that must be met in order to be eligible to enroll. Please note the prerequisites are listed for individual classes in this curriculum guide.

Advanced Placement (AP)

Advanced Placement courses are college level courses, which follow a nationally standardized curriculum developed by the College Board. Students who enroll in AP courses are expected to take the corresponding AP examinations in May. Depending on the AP exam score, the college in which the student chooses to attend may grant college credits and/or advanced placement to the student.

The AP exam registration will occur in the fall semester. There is a fee to take each AP examination. Notification regarding registration will be sent out by the AP Test Coordinator.

Career & Technical Education

Career & Technical Education (CTE) programs are developed based on present and future needs in the job market. CTE programs give students the chance to explore and experience careers in a setting that closely resembles the workplace.

If you are entering the workforce immediately after high school, a CTE program can give you the competitive edge you need to show potential employers that you are the best candidate for the job.

Students heading to college or technical school benefit from CTE Programs too. Hands-on experience raises your understanding beyond the level of textbook theory and gives you a practical advantage in the college classroom or laboratory.

GST BOCES CTE Programs

The Career Specialization and Transition (S & T level) programs prepare students for a career or further education in their chosen area. Courses take two years to complete. Students receive practical, hands-on experience in their chosen field. They learn teamwork, decision-making and problem-solving skills and apply Regents level English, Mathematics, and Science to their program of study. All S and T level programs have college articulation agreements.

Students applying to the S and T level CTE programs must be entering grade 11 or 12. They must show promise of program success, not be a safety hazard to the class or self, be able to get along with peers and adults, and be able to work in a team atmosphere.

Available programs at the GST BOCES Bush Campus are:

- Animal Science
- Audio Media Design
- Auto Body Repair
- Automotive Technology
- Building Construction
- Conservation
- Cosmetology
- Criminal Justice
- Culinary Arts
- Dental Assisting
- Diesel Equipment Technology, Maintenance & Repair
- Digital Media Arts
- Early Childhood
- Fashion Design, Merchandising & Marketing
- Nurse Assisting
- Welding & Metal Fabrication

Students who attend a CTE program in the S & T levels will be scheduled part of the school day at the Bush Campus either in the morning or afternoon (dependent on the program). Transportation is provided by the Horseheads Central School District and student are prohibited from driving their personal vehicles.

New Visions Programs

New Visions courses are designed for accelerated, college-bound seniors. These programs are demanding and are extremely rewarding for a highly motivated, mature and academically capable student. The New Visions curriculum emphasizes expanded written and oral communication skills. Students acquire new knowledge through independent and cooperative learning and demonstrating relevant knowledge assimilated through non-traditional assessment methods. Classroom time is supplemented with many different on-site rotations.

There are three New Visions programs available for students:

- Human Services & Education
- Health Careers Exploration
- Innovation, Leadership & Business

Space is limited and the application process is competitive for New Visions. In order to apply, students need the following:

- ✓ A grade point average of 85% or higher
- ✓ Recommendations from three academic teachers, or two teachers and one employer or volunteer supervisor
- ✓ An essay that describes personal, academic and career goals and well as strengths and challenges
- ✓ The ability to provide their own transportation to the various sites.
- ✓ Excellent attendance records of 90% or better
- ✓ A personal interview to aid in the selection process
- ✓ All graduation requirements should be complete with the exception of the senior English and Social Studies classes.

Career Development Council

Horseheads Central School District contracts with the GST BOCES Career Development Council.

Career Development Council partners with business, industry, and area school districts to provide high quality career education programs. Basic services include career days, career job shadowing, career panels, field trips, guest speakers, mock interviews, after school programs, grant funded programs, and special career-focused programs.

Career Development Council Services

Juniors and seniors interested in learning more about careers have the opportunity to job shadow or intern for credit through the services of the Career Development Council. Horseheads' Career Development Representative is Mrs. Lynch. Students can meet with Mrs. Lynch during the lunch/activity periods of 5/6 and 7/8 two days a week in the Counseling Office. Students should request an appointment through the Counseling Office.

Job Shadowing

Job Shadowing allows a student to spend part of a day with an adult in a career at that person's worksite. The student learns about the job responsibilities, the format of a typical day, the salary range, and the environment. The student must provide his/her own transportation to the shadow site.

Career Panels

Career Panels are generally large group activities that provide awareness of the range of careers in a particular field. The career professionals have a panel discussion with student question time following. Space can be limited for career panels and seniors will have priority.

Internships

Internships are a 6 to 12 week work-based program for juniors and seniors interested in learning more about a specific career while working under the supervision of a worksite mentor. Elective credit may be awarded if all criteria are met including a completed time sheet, journal of activities, and weekly contact with the Career Development Council representative.

National Collegiate Athletic Association

The NCAA Eligibility Center certifies the academic and amateur credentials of all college-bound student athletes who wish to compete in NCAA Division I or II athletics.

NCAA Academic Requirements

To play sports at a Division I or II school, you must graduate from high school, complete 16 NCAA approved core courses, earn a minimum NCAA GPA and earn an ACT or SAT score as determined by NCAA core-course GPA.

Make sure to notify your School Counselor if you are considering Division I or II colleges for athletics.

Counselors will complete an academic checklist for students planning on pursuing an athletic program at a Division I or II school. The Horseheads courses that are NCAA approved are designated on the course selection form by the # symbol. Students can also review approved courses by visiting www.eligibilitycenter.org/courselist.

Official high school transcripts are required by the NCAA Eligibility Center. Students can request a transcript release form from their school counselor. Transcripts should be sent at the end of the junior year.

The NCAA requires SAT and ACT scores to be sent directly to them from the testing agency. Students will use the code 9999 to send the scores from either the College Board or ACT.

Art Department

Students wishing to pursue a college degree in areas such as architecture, photography, fashion design, graphic design, and illustration will typically have to submit a portfolio of 12-20 original pieces of art with their college application. It is recommended that these students enroll in Drawing & Painting 1 early in their high school career.

A five credit sequence in the Visual Arts can be an alternative to the World Language requirement for the Advanced Designation Diploma. To complete a five unit sequence, a student must take the following:

Foundation Courses (1 credit):

- **Studio in Art 1 and Studio in Art 2 or Studio in Art (completed in grade 8)**

4 additional units of credit from below:

- **Drawing & Painting 1**
- **Drawing & Painting 2**
- **Drawing & Painting 3**
- **Studio in Crafts**
- **Studio in Printmaking AND Design in Clay**
- **Studio in Graphic Design**
- **Studio in Sculpture**
- **Studio in Media Arts**
- **Studio in Photography**
- **Portfolio Development**
- **AP Art History**

Studio in Art 1 (G010)

Prerequisite: NONE
Credit: ½ unit Grades 9-12

Studio in Art 1 introduces you to the nature, function, and techniques of the visual arts. You will produce two and three dimensional works in a variety of media while exploring the elements and principles of art.
This course, in combination with Studio in Art 2 satisfies the New York State fine art graduation requirement.

Studio in Art 2 (G011)

Prerequisite: NONE
Credit: ½ unit Grades 9-12

Studio in Art 2 introduces you to the exciting world of art history. You will create projects using a variety of media and work in the style of artists and art movements from Cave Art to Contemporary Art.
This course, in combination with Studio in Art 1 satisfies the New York State fine art graduation requirement.

Studio in Printmaking (G012)

Prerequisite: Studio in Art 1 & 2
Credit: ½ unit Grades 9-12

Studio in Printmaking will teach you how to make fine art prints using studio processes such as relief, intaglio and stencil. Through studio production, you will master basic printmaking tools and techniques to see your work translated into two-dimensional art.

Design in Clay (G013)

Prerequisite: Studio in Art 1 & 2
Credit: ½ unit Grades 9-12

Design in Clay introduces students to using clay as a medium for both functional and sculptural works of art. Students will learn different building techniques and a variety of ways to decorate the

surface of the clay. Students will be introduced to the use of pottery and ceramics throughout history. Hands-on work and problem-solving skills are emphasized.

Drawing & Painting 1 (G040)

Prerequisite: Studio in Art 1 & 2
Credit: 1 unit Grades 9-12

Drawing & Painting 1 is the course for you if you have successfully completed Studio in Art 1 and 2 and if you are interested in exploring the world of art further. You will study and practice a variety of drawing/painting techniques such as perspective and drawing from life, as well as improve your technical and creative thinking skills.

Studio in Graphic Design (G042)

Prerequisite: Studio in Art 1 & 2
Credit: 1 unit Grades 9-12

Studio in Graphic Design explores layout and design in Photoshop and Illustration. Students will explore the Elements and Principles of Art and Design in a digital format. You will explore how text can best be used to communicate ideas and information. Students will combine fonts, graphics and digital photos to create effective posters, business cards and logos.

Studio in Crafts (G044)

Prerequisite: Studio in Art 1 & 2
Credit: 1 unit Grades 9-12

Studio in Crafts introduces students to a wide variety of traditional forms of craft including papermaking, origami, book making, weaving, basket making, pottery, glass fusing, needle felting, cloth decoration, and jewelry making. Creative problem solving and collaboration between peers is emphasized.

Studio in Sculpture (G046)

Prerequisite: Studio in Art 1 & 2
Credit: 1 unit Grades 9-12

Studio in Sculpture lets students explore a variety of different media and learn how to apply knowledge of the elements of art and principles of design into three-dimensional works. The history of sculpture and pivotal sculptors will be introduced throughout the semester. Students should expect to work with cardboard, plaster, clay, soapstone, wire, papier-mâché, and fibers.

Studio in Media Arts (G047)

Prerequisite: Studio in Art 1 & 2
Credit: 1 unit Grades 9-12

Studio in Media Arts is the beginning course in photography. It will introduce students to 35mm cameras, film, film processing, and darkroom use. In addition, digital cameras and image manipulation will be explored using scanners and Adobe Photoshop.

Drawing and Painting II (G051)

Prerequisite: Drawing and Painting I
Credit: 1 unit Grades 9-12

In Drawing and Painting II you will develop your technical skills through extensive studio work in painting, drawing, design, and media experimentation. Working with nature, still life and figures will be a strong part of your study.

Drawing and Painting III (G052)

Prerequisite: Drawing and Painting II
Credit: 1 unit Grades 9-12

Drawing and Painting III is an advanced study class balanced between traditional painting and drawing experiences. Projects include a portrait in oil paint and a large figure drawing in pencil. Advanced techniques are explored which build on skills and work toward building a portfolio of your work.

Studio in Photography (G054)

Prerequisite: Studio in Media Arts
Credit: 1 unit Grades 9-12

Studio in Photography is an advanced course that provides a thorough background in aesthetic applications and technical aspects of photography, its history, and its contemporary direction. You will build on your technical foundation in photography from Media Arts to create a variety of traditional, digital, and mixed media images.

Portfolio Development (G750)

Prerequisite: Drawing and Painting III
Credit: 1 unit Grades 9-12

Portfolio Development offers advanced art students an opportunity to assemble a portfolio of work and support materials for use in college admissions, job interviews, and art competitions. Matting, taking slides, and resume writing will also be covered.

AP Art History (G780)

Prerequisite: English 9 and Global Studies
Credit: 1 unit Grades 9-12

AP Art History is a course that critically analyzes works of art in diverse historical and cultural contexts. It considers political, religious, patronage, gender, and ethnicity issues. It will explore major forms of artistic expression such as architecture, sculpture, painting, and other media across a variety of cultures. Learn the purpose and function of art as you develop skills to articulate visual and art historical concepts in verbal and written form.

Business Department

All business courses promote the personal traits and attitudes considered essential for success in modern business.

A student interested in Business Education courses should note that a variety of five-unit sequences are offered. A five-unit sequence can be an alternate to the World Language requirement.

Foundation Courses (2 credits):

- **Career & Financial Management**
- **Computer Applications and Business Media**

One credit from the following:

- **ACE Accounting 1**
- **Introduction to Marketing**
- **Business Ownership and Marketing**
- **Business Law**

Two credits from one of the following clusters:

Financial Cluster

- **ACE Accounting 1**
- **ACE Accounting 2**
- **Business Law**

Marketing Cluster

- **Introduction to Marketing**
- **Business Ownership and Marketing**
- **ACE Accounting 1**
- **Business Law**

Business Management (J043)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Business Management will introduce the student to fundamental management functions using Excel, a spreadsheet software program. Students will develop a basic and practical understanding of spreadsheets and how they are used in business and in their personal life. This is a project-based course and all work is completed during the class period. The final exam is a project.

Computer Applications (J041)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Computer Applications is a great way to familiarize yourself with the most updated technology while increasing your keyboarding skills. This course is project based. Students become familiar with the fundamentals of Word, Excel, presentation software and other software that will help them in college and career.
This course is open to all students. Students are evaluated on their projects and communication skills and all assignments are designed to fit into the 80-minute period.

Math for Personal Finance (J042)

Prerequisite: NONE
Credit: 1 unit Grades 10-12

Math for Personal Finance is an interdisciplinary business course designed to help students understand the complex financial world they will encounter during their lives. It will also prepare students for potential occupations or college careers. Applications of mathematics to typical business problems such as taxes, insurance, payroll, depreciation, trade, cash discounts, and budgeting will be covered.
Student progress is evaluated though class assignments, quizzes, tests and the final exam.
This course can count as a math requirement once state exam requirements are met.

Introduction to Marketing (J044)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Introduction to Marketing is a hands-on experience on how commercials and other advertisements are made to attract us by using the 4 P's (product, price, place, and promotion). This course is open to all students. Grades are based on projects, tests and the final exam that is project based.

Business Ownership & Marketing (J045)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Business Ownership & Marketing will provide students with a step by step approach to starting and operating a business through the development of a business plan. The course content is made up with marketing, merchandising, and management skills and is presented in a format that emphasizes the role of an entrepreneur. Both the performance objectives and the instructional strategies emphasizes a project-oriented method of instruction. Students will explore Excel, PowerPoint, and Access as they relate to the successful operation of a business. Grades are based on projects, quizzes, tests, and a business plan for a final project.

Business Law (J053)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Business Law starts with an introduction to the law and then deals with issues with both business and personal law. Contracts, purchasing a house, and insurance are just some issues covered in this comprehensive study of law in America. Grades are based on quizzes, tests, and classroom participation.

ACE Accounting I (J091)

Prerequisite: NONE
Credit: 1 unit (HHS) Grades 10-12

CCC: 4 credit hours
ACCT 1000 Accounting Practices

ACE Accounting I is the preparation for entry level accounting positions for a sole proprietorship and merchandising business. This course is designed to develop competence in the application

of accounting theory and principles. Students will learn the basic principles of accounting including the double entry system of closing accounts, preparation of financial statements, banking procedures, the ten-column worksheet, and payroll accounting.
Students progress is evaluated through chapter tests, simulation activities, quizzes, homework and a final exam.

ACE Accounting II (J092)

Prerequisite: ACE Accounting I
Credit: 1 unit (HHS) Grades 10-12

CCC: 4 credit hours
ACCT 1030 Financial Accounting

ACE Accounting II is an advanced course that involves a review of the ten steps of the Accounting Cycle and to enhance the student's skills they learned in ACE Accounting I. There are more complex business situations such as preparation and analysis of detailed financial statements. Students will cover accounting for small business, partnerships and corporations. Computer exercise will be integrated using Glencoe and Peachtree Accounting software. Students are evaluated on completion of homework, quizzes, simulation activities, chapter tests, and a final exam.

ACE Web Page Design (J093)

Prerequisite: NONE
Credit: 1 unit (HHS) Grades 10-12

CCC: 3 credit hours
CSWT 1200 Web Site Developmental Fundamentals

ACE Web Page Design is a course that develops web page techniques using HTML, CSS, and web site authoring software to give students skills necessary to build, deploy, and manage professional web pages. Topics include basic tags and more advanced features while emphasizing accessibility, compatibility, usability, security, and emerging Internet trends. The Course is project based.
By the end of the course students will able to:

- Create static HTML documents using basic editors and web authoring software
- Create and apply CSS styles in order to separate style from content
- Demonstrate an understanding for the web site design and the site structure
- Design and develop sites for the mobile web
- Apply various formatting, linking, media, and operational HTML tags
- Employ advanced tags to include tables, frames, forms, and multimedia on a web page
- Recognize and understand different graphic formats that are available for web pages
- Deploy and manage a site on a web server

- Employ and test compatibility of a web site when dealing with various browsers, platforms and devices
- Express the importance of web page accessibility, usability and security

Dreamweaver (J010)

Prerequisite: NONE
Credit: ½ unit Grades 9-12

Dreamweaver is a course in developing a web page for a business that meets the needs of the global economy. Students will study and apply principles to create a web page with an emphasis on Dreamweaver to convey a very clear message to its visitors.
Students' progress will be evaluated through class projects and the final exam is creating a personal website of your choice.

Sports & Entertainment Marketing (J011)

Prerequisite: NONE
Credit: ½ unit Grades 9-12

Sports & Entertainment Marketing will take the students on a step by step journey through the world of marketing. Students will learn the basic functions of marketing and how they are applied to sports and entertainment. Web searches, PowerPoint and Excel will be incorporated through the course.
Students will be evaluated on class assignments, projects, quizzes and a final project.

International Business (J012)

Prerequisite: NONE
Credit: ½ unit Grades 9-12

International Business is a course to develop an appreciation of knowledge, skills, and abilities needed to live and work in a global marketplace. Students will become aware of diversity in cultures and associated customs as well as appropriate business conduct within the international marketplace through project-based learning. The main content areas for this course are: Our Global Economy, US and Work Geography, International Trade, Foreign Currencies and Values, Time Zones and Travel, Cultural and Social Diversity, Ethnic Foods, and Multicultural Marketing.

Career Pathways (J014)

Prerequisite: NONE
Credit: ½ unit Grades 9-12

Career Pathways is a course where you will learn your role in the workplace and within the economy. Students will have the opportunity to analyze their personal strengths, weaknesses, lifestyle goals, and work values. Students will research several career options that are available to them and will be able listen to guest speakers from various career fields. Students will match their interests and goals with two career options that suit them and will follow through with an educational and career plan to attain their goal. Students will learn how to present themselves to a prospective employer and will have the opportunity to experience a "mock" interview with Human Resource professionals from our business community.

Business Media (J013)

Prerequisite: NONE
Credit: ½ unit Grades 9-12

Business Media is a course to learn the most updated software. Students will create projects with the latest software tools and will learn new formatting skills to be successful in school and beyond.

English Department

Each student must take four years of English to be eligible to graduate from Horseheads High School.

The English curriculum focuses on the literary skills necessary for success at the high school level and beyond. Classes provide opportunities for growth in the areas of writing, speaking, listening and reading.

According to the Next Generation Learning Standards, students should strive to:

- **Comprehend and evaluate complex texts across a range of types and disciplines**
- **Construct effective arguments**
- **Adapt their communication in relation to audience, task, purpose and discipline**
- **Understand precisely what an author or speaker is saying, but also question an author's or speaker's assumptions and premises**
- **Cite specific evidence when offering an oral or written interpretation of a text**
- **Employ technology thoughtfully to enhance their reading, writing, speaking, listening, and language use**
- **Tailor their searches online to acquire useful information efficiently**
- **Actively seek to understand other perspectives and cultures through reading and listening**

English 9 (A550)

Prerequisite: NONE
Credit: 1 unit Grade 9

English 9 is a required freshman year course that focuses on the essential standards of the New York State Next Generation curriculum. Students will be engaged in structured and unstructured listening exercises and will plan and deliver both formal and informal speaking exercises. Assigned reading will come from a variety of genres (short stories, plays, poems, novels, and nonfiction). Students must be prepared to complete a significant portion of the reading outside of class. All students will participate in a full classroom study of one play by William Shakespeare and one or two novels, from a list of titles adopted for 9th grade. Regular composition work will be assigned, with a number of essays requiring a rewrite. Preliminary preparation for the junior year English Regents exam is a part of this course. Additionally, students will increase their vocabulary through a series of structured vocabulary units. Following classroom instruction in M.L.A. documentation style, students will each produce a 3-page (minimum) M.L.A. style research paper, utilizing published sources to defend their position on a controversial topic. The course will culminate with a local final examination that will include fiction and nonfiction reading comprehension tasks and an argument-based essay.

English 10 (A650)

Prerequisite: English 9
Credit: 1 unit Grade 10

English 10 is the required sophomore year course that focuses on the essential standards of the New York State Next Generation curriculum. Students will be engaged in structured and unstructured listening exercises and will plan and deliver both formal and informal speaking exercises. Assigned reading will come from a variety of genres (short stories, plays, poems, novels, and nonfiction). Students must be prepared to complete a significant portion of the

reading outside of class. All students will participate in a full classroom study of one play by William Shakespeare and one or two novels, from a list of titles adopted for 10th grade. Regular composition work will be assigned, with several essays requiring a rewrite. Continued preparation for the junior year English Regents exam is a part of this course. Additionally, students will increase their vocabulary though a series of teacher-designed vocabulary units. Following classroom instruction and library visits, students will produce a 4-page (minimum) M.L.A. style research paper. The course will culminate with a local final examination that will include fiction and nonfiction reading comprehension tasks and an argument-based essay.

English 11 (A750)

Prerequisites: English 9 and English 10
Credit: 1 unit Grade 11

English 11 is the required junior year course that focuses on the essential standards of the New York State Next Generation curriculum. This course is a survey of American Literature from colonial times to present day. The purpose of this course is to acquaint the students with the thoughts and contributions of American writers and the periods in which they are wrote. Students will be engaged in structured and unstructured listening exercises and will plan and deliver both formal and informal speeches. Assigned readings will come from a variety of genres such as: short stories, plays, poems, novels, and nonfiction. Students must be prepared to complete a significant portion of the reading outside of class. Regular composition work will be assigned, with a number of essays requiring a rewrite. Continued preparation for the English Regents exam is a part of this course. Additionally, students will increase their vocabulary through a series of teacher-designed vocabulary units. Following classroom instruction and library visits, students will produce a 5-page (minimum) M.L.A.- style research paper. The course will culminate with the New York State English Regents exam. The student's grade on this exam counts as their Final Exam grade for the course.

American Voices (A760)

Prerequisites: English 9 and English 10
Co-requisite: AP US History
Credit: 1 unit Grade 11

American Voices is a course offered to Junior-level students in tandem with AP US History. In this course, students will examine American literature, history, and culture through the lens of a plurality of American voices; through our questioning of historical narratives and literature, we will examine whose stories are told, how, and why, throughout our nation's literary and chronological history. Students will engage in thematic studies of American Literature, art,

music, and history to both expand upon and support the APUSH curriculum, examining patterns and deviations in both literature and historical documents.

Students will be pushed to write increasingly complex, arguable claims and essays throughout the course, with instruction focused heavily on sophistication and style. Students will also be expected to regularly participate in classroom discussions of the content, with many units' discussions being entirely student-led. Therefore, students electing to take American Voices should be prepared for AP and/or collegiate-level curriculum in literature and composition; students should also be entering with the requisite skills, interest, open-mindedness, and drive to engage thoughtfully and constructively with class discussion, deep textual analysis, and in accepting and applying instructor feedback to compositions and projects. American Voices students are expected to be organized, self-advocating, and hard-working. Students electing to take American Voices should welcome being challenged both by the content of the discourse and the rigor of the curriculum, which is a significant leap in difficulty from the English 10R prerequisite.

American Voices is a mandatory companion course for students enrolled in AP US History. Completing each of these courses will earn students both their Junior year English and Social Studies credits. Students should carefully consider their ability to manage the demands of both courses before committing. American Voices will culminate with the NYS Regents Examination in ELA as the final exam for the course. American Voices meets on an alternating A/B schedule with APUSH.

English 12 (A850)

Prerequisites: English 9, English 10 & English 11 or American Voices
Credit: 1 unit Grade 12

English 12 focuses on preparing students for life after high school by focusing on college and career readiness and what it means to be a contributing citizen in a global society. Students will read and write critically across genres. Writing will include but is not limited to personal narrative, argumentative, and literary analysis. Using project-based learning, students will foster skills needed for the future, to include conducting their own research, and form connections within the community. Through the literary selections and writing tasks, students will consider and explore their future role within their community. Throughout the semester, students will hone their public speaking and communication skills through group collaboration, class discussions, and formal presentations.

Advanced Placement English (A880)

Prerequisites: English 9, English 10 & English 11 or American Voices
Credit: 2 units Grade 12

Advanced Placement English is a rigorous year-long college course that is based on a national curriculum designed and governed by the College Board of Princeton and is intended for gifted seniors. AP English is both demanding and intellectually stimulating. This course requires the students to use their best effort consistently and emphasizes their development of independent thoughts and mature habits of critical thinking.

Students are expected to enter with these requisite skills: ability to read accurately, the ability to engage in intelligent constructive speaking, the desire to learn more than obvious or superficial, a sense of personal and social responsibility, the willingness to accept criticism from both the teacher and their peers, a solid basic command of language or the willingness to work hard.

Students will become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. Constant practice in composition and thorough instructor criticism will raise awareness of the interaction between authorial purpose, audience needs, the subject itself, generic conventions, and the resources of language. Multiple drafts of composition assignments with scrutiny of linguistic and rhetorical choices are an integral part of the individualized writing process.

Students will learn to read and comprehend some of the finest literature written at various times in numerous cultures with an emphasis on literature originally written in English. Students will learn how to discover the meaning in literature by being attentive to language, image, character, action, argument, and the various techniques and strategies authors use to evoke emotional response from readers. Students will be expected to justify their interpretations by references to details and patterns found in the text, to compare their interpretations with those proposed by others, to be prepared to modify their own interpretations as they learn and are challenged to think more thoroughly.

Activities planned for this course include essays, compositions, formal and informal speeches, research papers, self-directed projects, Reader's Theater, creative writing, film study and debates.

To officially document their achievement in the course, students are prepared and required to sit for either of the national examinations offered by College Board in May: English Language and Composition or the English Literature and Composition. Many students, after individual counseling, may elect to sit for both exams.

ACE College English (A890)

Prerequisites: English 9, English 10 & American Lit or American Voices

CCC requires students have an 85% or above cumulative average to be eligible to enroll in this course

Credit: 1 unit **Grade 12**

CCC: 3 credit hours
ENGL 1010 College Comp 1

ACE College English is freshman college composition course whose overall objective is to produce competent college-level writers. The emphasis of this course is not solely on the finished product but also on the writing process through which the final product is generated. Students will follow a writing process that may include the following: prewriting, one or more drafts, and a final typed copy.

Essay writing is designed to sharpen the student's perceptions of the world and to facilitate communications with correctness, clarity, unity, organization, and depth. Writing assignments include a variety of formal essays with an emphasis on argumentation, culminating with an argumentative research paper. Other writing assignments that may be assigned at the discretion of the instructor could be journals and short informal essays.

Since writing is a reflection of thinking, ACE English is also a thinking course with a goal to promote evaluative, inquiring, and aware consideration of the issues in our world and to foster a tolerance for differing viewpoints tempered by critical examination of those points of view. To accomplish this goal, students will engage in critical reading of both nonfiction and fiction readings that look beneath the surface of the writing and seeks to understand how the piece works. A student's participation in class discussion is an integral part of this course. At the discretion of the instructor quizzes both announced and unannounced may be given on the readings.

Vocabulary units will help students build an extensive vocabulary with which to express themselves precisely in their writing and in their speaking. Students will learn to write correctly and clearly while using the correct grammar, usage and mechanics for writing.

Students who register for this course should be prepared to challenge themselves with college level work. Improving one's writing requires diligence, commitment, and imagination. The skills and methods taught in this course are applicable in every other college course and in the professional world.

Mythology (A801)

Prerequisites: English 9 and English 10
Credit: 1 unit Grades 10-12
Offered: Every other year (2022-2023)

Mythology is a course that offers a wide range of study in Greek myths and literature. Among the types of myths to be studied are the Olympians, heroes, love and transformation stories and wars. Through these myths, students will examine how the early Greeks related to their physical, social, religious, and political environment and recognize eternal truths, attitudes, and feelings common to all humans in any time. Knowledge of classical mythology will enhance students' appreciation and understanding of the myriad allusions in Western art, music and literature. Students can anticipate regularly assigned outside reading, lively classroom discussion, and regular essay assignments.

Introduction to Shakespeare (A802)

Prerequisites: English 9 and English 10
Credit: 1 unit Grades 10-12

Introduction to Shakespeare is a literature course devoted to the life and works of the bard: William Shakespeare. This course is designed to provide an introductory understanding and appreciation of the unique skill of William Shakespeare. Students will study selected sonnets, plays, professional recordings, and when possible live performance. Students will participate in class discussions, written papers, and oral readings in class. Prior to the literature works, students will begin their study with an examination of the life and times of William Shakespeare. Students should be prepared to read challenging poetic text, to write thoughtful analytical essays, to participate in reading Shakespeare's plays aloud, and to regularly engage in class discussions.

Creative Writing (A803)

Prerequisites: English 9 and English 10
Credit: 1 unit Grades 10-12

Creative Writing is a course where students will read and discuss the work of well-established poets and fiction writers with special attention to form, structure, narrative, and poetic devices. The reading component of this course will enable students to explore writing styles of various authors. Creativity, self-expression, and the use of imagination are encouraged through the production of original poetry, short stories, a memoir, and a journal. Ideas and strategies will

be generated through pre-writing activities which stress inquiry and critical thinking skills. This course is a workshop course and success will depend on the students' willingness to participate by sharing their own creative work and to support classmates' efforts. Students can anticipate regularly assigned outside reading, composition and revision of original creative works, and participation in peer feedback forums.

Journalism (A804)

Prerequisites: English 9 and English 10
Credit: 1 unit Grades 10-12
Offered: Every Other Year (2021-2022)

Journalism is a course where students will explore the historical and constitutional foundation of press functions and key court decisions which have been either restraining or liberating. Students will be able to answer the question: What is the role and function of a free press in a democracy? This course stresses examinations, modeling, and practice in skills and proprieties involved in gathering, organizing, writing, and publishing pertinent material for a newspaper, particularly at the high school level. Students can expect to read a considerable amount of material, speak both formally and informally, to listen for information and criticism, and to write regularly. Students will be prepared to produce a news story, a feature story, an editorial essay, a book, music, or film review and an interview.

Media Production (A841)

Prerequisites: English 9 and English 10
Credit: 1 unit Grades 10-12
Offered: Every Other Year (2021-2022)

Media Production is a course that teaches students the persuasive power of oral and visual communication. Students will be exposed to the various media transmitters of our present culture and past culture. It exposes students to newspapers, magazines, radio, television, motion pictures, advertising, and the recording industry. When exploring film and video techniques, students should have access to a video, 35mm, or digital camera.
Assignments will include a class publication, radio show, television program, ad campaign, and a music video. Students may spend $10 and $25 in lab fees to cover the final course project, which they will keep. Field trips may be taken to local radio stations, televisions studios, and newspaper publishing businesses.

Fantasy and Science Fiction (A842)

Prerequisites: English 9 and English 10
Credit: 1 unit Grades 10-12
Offered: Every Other Year (2021-2022)

This course introduces fantasy and science fiction as separate styles of writing. The course offers readings from noted authors and videos in their respective fields. Fantasy will cover such topics as good vs. evil, heroes, and quests. Science fiction will look at future societies, space exploration, and the possibility of time travel. Evaluation will consist of compositions, tests, and major projects. A balance of reading, speaking, listening, and writing skills will be required.

Young Adult Literature (A844)

Prerequisites: English 9 and English 10
Credit: 1 unit Grades 10-12

Young Adult Literature uses a variety of literary selections to present teenage life in a variety of given situations, conflicts, problems, and experiences which the students can recognize and relate to. Students will become familiar with realistic situations and themes by reading and studying selected novels, short stories, and more. A balance of reading, speaking, listening, and writing skills will be required.

Public Speaking (A853)

Prerequisites: English 9 and English 10
Credit: 1 unit Grades 10-12
Offered: Every Other Year (2022-2023)

Public Speaking is designed to help students communicate and associate with others through speaking. Students will build self-confidence as they make different presentations. Assignments include speeches for different occasions, discussions, and debate. Evaluation is based primarily on oral presentations, discussions, and written critiques.
Another integral part of this course is the oral interpretation of literature which allows students the opportunity to share literature. Students will analyze the organization, style, and structure of various devices writers use in prose, poetry and drama. Assignments will include editing material, keeping within time limits, writing appropriate introductions, and evaluating presentations. Field trips may be taken.

British Literature (A857)

Prerequisites: English 9 and English 10
Credit: 1 unit Grades 10-12
Offered: Every Other Year (2022-2023)

British Literature is a survey of the highlights of English literature. The course will cover the principal works from the Anglo-Saxon period of the Twentieth Century including such genres as plays, short stories, poetry, and non-fiction. While addressing the students' abilities to be effective communicators, creative problem solvers, and quality decision makers, the reading, writing, listening, and speaking exercises used in British Literature will provide a strong background for students who are planning to attend college.

Drama (A858)

Prerequisites: English 9 and English 10
Credit: 1 unit Grades 10-12

Drama is an overview of both drama and stagecraft. In the course students will assume the roles of actor, director, and crew member. In addition, students will become familiar with a variety of plays and musicals through reading and discussion. Students will be given the opportunity to attend a Broadway play.
Students will learn the basic techniques used in acting, makeup, costuming, set design, lighting, and directing. Course evaluation will include performance assessments, written assignments, and classroom participation.

Family & Consumer Sciences Department

The Family & Consumer Sciences program is designed to help students become competent, self-reliant, confident and caring in managing their personal, family and work lives.

The Food Experience (K041)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Students will learn the fundamental elements of meal planning and preparation. Through weekly food labs, they will utilize these skills to successfully prepare delicious and exciting recipes using a variety of ingredients. Students will discover the origins of many of our regional and international dishes and will learn the importance of good nutrition for a healthy mind and body. An ideal course to develop culinary skills while exploring the many facets of the world of food.

Housing and Interior Design (K044)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Explore the fundamentals of housing construction and design. Learn the steps it takes to turn a house into a home. Students will be exposed to the world of real estate, housing styles, home construction and maintenance, floor plan design, interior design basics and careers in the housing industry. Students will complete a final project that incorporates all the necessary elements to create their dream home. This course may count as one credit in Fine Art.

Food Science (K046)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Learn real-world applications for science and technology through hands-on activities that teach the principles of food science. The topics of food safety, food preservation and processing, global food issues, nutrition and wellness, and careers in the food industry will be covered. Food labs will accompany each unit, examples include bread, cheese and candy making.
This course can fulfill the third science graduation requirement.

Interior Design II (K012)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Contemporary or Country, fancy or plain, learn the decorating elements that make a house a home. From floor plans to fabric selections, Interior Design II explores all the elements of designing a home or living space. This course focuses on fibers, finishes, and furniture. It is a "how to" course for decorating a home. Learn how to arrange furniture and select window and floor treatments. This up to date, exciting course is a hands-on class for anyone interested in interior decorating.
This course can count as a ½ credit in Fine Art.

Arts of the Home (K010)

Prerequisite: NONE
Credit: ½ unit Grades 9-12

Arts of the Home is a how to course which brings back the "lost arts" which includes extensive hands on projects such as learning the art of cross stitch, embroidery, decoupage, and much more. Exploring a wide variety of crafts from the past is also a unique facet of this class. Students will engage in self-directed projects that revisit the hobbies of previous generations. The course will have a final project.
This course can count as a ½ credit in Fine Art.

Child Development (K043)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Child Development is a course where students will discover the world of children. Students will evaluate healthy parenting strategies and will discuss the costs, joys and frustrations of rearing a child. The topics of pregnancy, birth defects, discipline, and nutrition will be covered. The many physical, social-emotional, and cognitive aspects of child development will be explored through hands-on activities and cooperative learning. This is the perfect course for anyone interested in working with children.

Child Development II (K013)

Prerequisite: NONE
Credit: ½ unit Grades 9-12

This course is designed for those students who plan on working with children in the future, whether it be in the classroom, clinical setting or daycare. The course will explore the physiological and psychological development of the child from toddler through elementary school focusing on the fundamentals of learning and play. Activities include a variety of hands on projects that enhance a child's cognitive growth to understanding the elements of lesson plan writing and the classroom setting.

Life 101 (K740)

Prerequisite: NONE
Credit: 1 unit Grade 11-12

Life 101 is a course that through classroom activities and interactive computer programs students will develop the skills to find an apartment, furnish it, live within a budget, buy a car, insure it, and even plan a vacation. Students will also practice skills that will show them how to solve problems in all types of personal relationships and give them the ability to build a strong family in the future.

Health Department

Health Education is a mandated course for graduation. It is only scheduled in the junior or senior year for students.

Health (P740)

Prerequisite: NONE
Credit: 1 unit Grades 11-12

Health Education is a NYS mandated course required for high school graduation. This one semester course focuses on Wellness, positive life choices and asserts that health is a matter of individual responsibility. Health Education provides a variety of decision-making tools and skills that use and demonstrates knowledge, understanding, and a sense of personal values. The goal is to empower students to choose a life-long healthy lifestyle.
The course content consists of units on Choice Theory, wellness, mental health, nutrition, substance use/abuse (alcohol, nicotine, and other drugs), healthy relationships, physiology and anatomy of our sexuality, chronic and communicable diseases.

ACE Perspectives of Drugs (P890)

Prerequisite: Health
CCC requires students have an 85% or above cumulative average to be eligible to enroll in this course.
Credit: 1 unit (HHS)
Grades 11-12

CCC: 3 Credit Hours
HLTH 1202
Perspective of Drugs

ACE Perspectives of Drugs is a course that explores the motivation for drug use/abuse and identifies the differences between each. Alternatives to drug use, where/how to find “natural highs,” and skills for doing so will be determined and practiced. Specific drug types and their identifications will be defined. Psychological, physiological, and legal implications of drug addiction and rehabilitation will be determined. This course is reading and writing intensive and requires class and field research on specific topics.

Interdisciplinary Courses

Some courses may be taught in many different departments. These courses are considered "interdisciplinary."

Career & Financial Management (F040)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Are you starting to think about life beyond high school? Career & Financial management introduces students to career exploration, financial literacy, the role of the economy, and types of business structures. This class is designed to better prepare students for college, career and the marketplace. Students will use a variety of digital tools and hands-on experiences. Guest speakers will share their real-world knowledge on multiple topics. There is a final examination.

ACE First Year Experience

Prerequisite: NONE
Credit: 1 unit Grades 11-12

CCC: 3 credit hours
FYEX 1000 First Year Experience

ACE First Year Experience facilitates intellectual and social integration of first year college students into the academic community. This course provides specific methods and strategies, which students may adopt to promote personal growth and success both in the college environment and throughout life. Course Objectives: demonstrate knowledge of college policies/procedures and the available resources on their prospective campus; demonstrate knowledge and skill in balancing freedom with responsibility and control; utilize specific learning skills, techniques and strategies which include learning styles, memory strategies, note-taking skills, active reading, test-taking strategies, and critical thinking; demonstrate the impact of time management skills upon academic success by planning ahead and determining time constraints; assess and articulate personal strengths through such methods as setting goals, values clarification and applying personal expectations; recognize the impact of physical/emotional health upon academic success; exhibit competence in career exploration and selection; examine job search strategies such as resume writing and interview skills; demonstrate knowledge of personal finance and budgeting techniques.

Mathematics Department

The program in mathematics offers preparation in the concepts and skills necessary for competence in mathematics, as well as preparation for further study. All courses in math aim to increase understanding of the basic concepts of mathematics and problem solving.

All students are required to earn at least three credits of high school math in order to graduate. In addition, students must pass the Algebra 1 Regents examination.

Foundations in Math (D540)

Prerequisite: Placement by CSE
Credit: 1 unit Grade 9

Foundations in Math is a course designed to strengthen mathematic skills for special education students who will take the Algebra 1* and Algebra 1R* classes. Foundation skills are taught and reinforced to prepare students and ease the transition into high school mathematics, and later into Algebra 1* and Algebra 1R*. The course is a semester long course. A department prepared final exam will be administered at the conclusion of the course.

Algebra 1 (D543)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Algebra 1 is a course designed to strengthen the algebra skills of students prior to taking Algebra 1R. Basic algebra skills are reinforced to prepare students and ease the transition into Regents Algebra 1. A department prepared final exam will be administered.

Algebra 1R (D552)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Algebra 1R is a course that deals with five conceptual categories associated with the New York State Common Core Learning Standards for Mathematics. Students will learn Number and Quantity, Algebra, Functions, Modeling, Statistics and Probability. This course requires students to understand the different function families and how they are used to solve problems and investigate applications. The Algebra 1 Regents Exam will be given at the conclusion of the course and is used as the course final exam.
Recommendation: A final average of 85 or above in Math 8 or successful completion of Algebra 1.

Geometry (D643)

Prerequisite: Algebra 1R
Credit: 1 unit Grades 9-12

Geometry is a course designed to introduce the students to geometric concepts. The connection between algebra and geometry is introduced and enhanced. Standard elements of geometry with an emphasis on logical reasoning and proofs are explored. A department prepared final exam will be administered.

Geometry R (D652)

Prerequisite: Algebra 1R
Credit: 1 unit Grades 9-12

Geometry R is a course based upon the six domain categories associated with the New York State Common Core Learning Standards for Mathematics. The categories include Congruence, Similarity, Right Triangles and Trigonometry, Expressing Geometric Properties with Equations, Geometric Measurement and Dimensions, and Modeling with Geometry. This course requires students to use deductive reasoning and supporting theorems to prove numerous geometric concepts. The New York State Geometry Regents Exam will be given at the conclusion of this course and is used as the course final exam.
Recommendations: A final average of 85 or above in Algebra 1R and a passing grade on the corresponding Regents exam. Students who do not meet this criteria should take Geometry prior to Geometry R.

Algebra 2 (D742)

Prerequisite: Geometry R
Credit: 1 unit Grades 9-12

Algebra 2 is a course to strengthen the algebra skills of students who intend to take Algebra 2R. Additional topics such as complex numbers, functions, statistics, and logarithmic and exponential functions will be discussed. A department final exam will be administered.

Algebra 2R (D752)

Prerequisite: Geometry R
Credit: 1 unit Grades 10-12

Algebra 2R is a course that deals with the five conceptual categories associated with the New York Start Common Core Learning Standards for Mathematics. The categories are Number and Quantity, Algebra, Functions, Modeling, Statistics and Probability. This course is a continuation of the skill set taught in Algebra 1R. The study of function families will be expanded to include polynomial, absolute value, rational, radical, trigonometric, exponential and logarithmic functions. The New York State Algebra 2 Regents exam will be given at the conclusion of this course and is used as the course final exam.
Recommendation: A final average of 85 or above in Algebra 1R and Geometry R and passing grade on the corresponding Regents exams. Students who do not meet this criteria should take and pass Algebra 2 prior to Algebra 2R. A graphing calculator is recommended.

Pre-Calculus Skills (D841)

Prerequisite: Algebra 2R
Credit: 1 unit Grades 10-12

Pre-Calculus Skills is a course that is designed to prepare students for the rigors of basic college mathematics. The course content includes polynomial equations, conics, trigonometry, vectors, complex numbers, and logarithmic and exponential functions. A department prepared final exam will be given.

Introduction to Programming (D851)

Prerequisite: Geometry R or concurrently enrolled in Geometry R
Credit: 1 unit Grades 9-12

Introduction to Programming is a course that will cover the fundamental concepts of computer programming. Most of the course work will be structured labs in which the fundamental concepts are used to solve a variety of practical and theoretical programming problems. The course is designed for students with a strong background in mathematics that would like a solid foundation in computer programming.

ACE Pre-Calculus (D860)

Prerequisite: Algebra 2R

Credit: 1 unit **Grades 10-12**

CCC: 4 Credit Hours
MATH 1413 Pre-Calculus Mathematics

ACE Pre-Calculus is a course designed to provide a comprehensive study of functions, which are the basis of calculus and other higher mathematics courses. The characteristics of elementary real functions, including algebraic and graphical analysis, inequalities, absolute values, and logarithms, trigonometry of real numbers, plane analytical geometry, polar coordinates, complex numbers, and Binomial Theorem will be covered. A department final exam will be administered.

Recommendations: A final grade of 85 or higher in Algebra 2R and successful passing score on the corresponding Regents exam.

ACE College Calculus I (D890)

Prerequisite: ACE Pre-Calculus

Credit: 1 unit **Grades 11-12**

CCC: 4 Credit Hours
MATH 1610- Calculus I

ACE College Calculus I is the first in a two-course sequence. This course is designed to further enrich the student's mathematical background with the possibility, if the student qualifies, to accelerate his or her college math courses. College Calculus uses the direct, in-depth intuitive approach to absolute value, relations, functions, graphs, limits, continuity, differentiation and integration and their applications to algebraic and trigonometric functions. A department final exam will be administered.

Recommendation: A final average of 85 or above in Pre-Calculus.

ACE College Calculus II (D891)

Prerequisite: ACE College Calculus I

Credit: 1 unit **Grades 11-12**

CCC: 4 Credit Hours
MATH 1620 -Calculus II

ACE College Calculus II is the second of a two-course sequence. This course further investigates the concepts learned in College Calculus I in addition to exploring conic sectionalism (analytic geometry), infinite series, and exponential, transcendental, and logarithmic functions. A department final exam will be administered.

Math for Personal Finance (J042)

Prerequisite: NONE
Credit: 1 unit Grades 10-12

Math for Personal Finance is an interdisciplinary business course designed to help students understand the complex financial world they will encounter during their lives. It will also prepare students for potential occupations or college careers. Applications of mathematics to typical business problems such as taxes, insurance, payroll, depreciation, trade, cash discounts, and budgeting will be covered.
Student progress is evaluated though class assignments, quizzes, tests and the final exam.
This course can count as a math requirement once state exam requirements are met.

Music Department

The music program is inclusive to all students at Horseheads High School and does not require any musical experience to be involved. Our ensembles like band, choir, and orchestra are even open to beginners.

Many extra-curricular opportunities are available like NYSSMA, Blue Raider Marching Ensemble, Green Room Players drama productions, percussion ensembles, Winter Guard, a cappella groups, music trips, and much more.

Traditional concerts and performances are part of our program, but more importantly, our goal is for students to feel comfortable making music with their friends and family beyond graduation. Using the artistic processes that our NYS Learning Standards for the Arts stress, such as creating, performing, responding and connecting, comprehensive musicianship can be developed and will help keep music in our lives.

Concert Band (H450)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Concert Band is a large instrumental ensemble consisting of wind and percussion instruments. Students comprehensively study various styles of band literature while focusing on musicianship and technique. Concert band is a full year course that meets daily for 40 minutes. Students also attend lessons once every six school days in order to receive credit. Three to four mandatory concerts are given yearly. Additional opportunities such as marching band, pit orchestra, Harmony Bridge, jazz band, NYSSMA, and others are frequently available to students in Concert Band. Students receive a numerical grade and one fine art credit upon successful completion.

Wind Ensemble (H650)

Prerequisite: Music Teacher Recommendation
Credit: 1 unit Grades 9-12

Wind Ensemble is a smaller, select ensemble open to wind and percussion students in grades 9-12 by music teacher recommendation only. Students comprehensively study various styles of band literature while focusing on musicianship and technique. Wind Ensemble is a full year course that meets daily for 40 minutes. Students also attend lessons once every six school days in order to receive credit. Three to four mandatory concerts are given yearly. Additional opportunities such as marching band, pit orchestra, Harmony Bridge, jazz band, NYSSMA, and others are frequently available to students in Wind Ensemble. Students receive a numerical grade and one fine art credit upon successful completion.

Orchestra (H500)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Orchestra is a large instrumental ensemble open to all string players in grades 9-12. Students comprehensively study various styles of orchestral literature while focusing on musicianship and technique. Orchestra is a full year course that meets daily for 40 minutes. Students also attend lessons once every six school days in order to receive credit. Three to four mandatory concerts are given yearly. Additional opportunities such as pit orchestra, NYSSMA, and various chamber groups are frequently available to students in orchestra. Students receive a numerical grade and one fine art credit upon successful completion.

Chorale (H000)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Chorale is a large vocal ensemble, which is primarily for students in grade 9, but is open to all students. Most of the literature studied is a three-part SAB harmony; however, some pieces may be in four-part SSAB or SATB harmony. Students will study a variety of choral literature and styles while learning proper singing techniques and developing choral musicianship. Chorale is a full-year course that meets every day for 40 minutes. Three to four mandatory concerts are given yearly. Students have several extracurricular opportunities available including small groups, the Pops concert, and NYSSMA participation. Students receive a P/F grade and one fine art credit upon successful completion.

Concert Choir (H600)

Prerequisite: NONE
Credit: 1 unit Grades: 10-12

Concert Choir is a large vocal ensemble consisting of students in grades 10-12. Most literature performed will be in four-part SATB harmony. Students will study a variety of choral literature and styles while learning proper signing techniques and developing choral musicianship. Concert Choir is a full year course that meets every day for 40 minutes. Three to four mandatory concerts are given yearly. Students have a few extra-curricular opportunities frequently available including small groups, the Pops concert, and NYSSMA participation. Students receive a P/F grade and one fine art credit upon successful completion.

Voice Class 1 (H015)

Prerequisite: NONE
Credit: ½ unit Grades 9-12

Voice Class is a course where students will learn the basics of vocal techniques and sound production.
Students will learn individual songs and develop listening skills by observing other singers and assessing specific vocal techniques. Assessments come directly from the state guidelines and the NYSSMA manual. Class is structured for group and individual work, often being assessed by peers. The teacher will work with students in a group setting and one-on-one. No prior musical knowledge is necessary, however students will be required to sing individually and in groups.

Introduction to Guitar (H010)

Prerequisite: NONE
Credit: ½ unit Grades 9-12

Introduction to Guitar is an engaging performance-based class geared toward beginners. Focus is on using correct posture, note-reading, rhythmic patterns, chord study, finger-picking styles, musical forms, and performing experiences. Class meets every other day for 80 minute and no prior musical knowledge is necessary.

Introduction to Piano (H011)

Prerequisite: NONE
Credit: ½ unit Grades 9-12

Introduction to Piano is a class where students will learn the basics of piano techniques. Students will study basic music theory and learn individual songs. Class is structured for group work and to allow students to move forward at their own pace. No prior musical knowledge is necessary. The effective use of practice time will allow a more efficient progression in the class. This class meets for 80 minutes every other day.

Musical Theatre Workshop (H012)

Prerequisite: NONE
Credit: ½ unit Grades 9-12

Musical Theatre Workshop is a class where students will dive into the world of musical theatre, learn about music, composers, structure, stories, and history of theatre. Students may choose

to sing at times in this class and develop their writing skills by creating synopses of various musicals. Several examples of musicals will be shown to represent a variety of styles and time periods, from classics to modern works. No prior musical knowledge is necessary. Class meets every other day for 80 minutes.

Foundations of Musicianship (H017)

Prerequisite: NONE
Credit: ½ unit Grades 9-12

Foundations of Musicianship explores various aspects of music, including units in music theory and history, listening discussions, and learning about music from cultures around the world. An emphasis will be placed on expanding the student's music vocabulary and analytical music skills. The course will contain projects centered on the student's musical interests. Foundations of Musicianship meets every other day for 80 minutes and no prior musical knowledge is necessary. A final exam is required.

World Music Drumming (H018)

Prerequisite: NONE
Credit: ½ unit Grades 9-12

World Music Drumming is an engaging, performance-based class in which students will gain a broad understanding of various cultures' use of percussion instruments. Areas of exploration include traditional African and Arabic drumming, Latin percussion, orchestral percussions, and marching percussion. Students will learn to play instruments such as the djembe, doumbek, conga, marimba, and snare drum. The class meets every other day for 80 minutes and no prior musical knowledge is necessary. A final exam is required.

Physical Education Department

All students are required to take Physical Education every semester according to New York State Law. Grades 9 and 10 will take PE in the fall and spring semesters. Grades 11 and 12 will take PE one semester and complete the Personal Fitness Plan on the opposite semester.

Physical Education 9th Grade (N110/N112)

Prerequisite: NONE
Credit: ½ unit (each semester) Grade: 9

Students in 9th grade will receive a core program based on the philosophy that a physically education student needs the experience of a wide variety of activities before their junior year. All students will receive the exact same activities over their freshman year. The emphasis of this course will be on developing and improving skills and will be supported by both skill and cognitive assessments.

Physical Education 10th Grade (N210/N212)

Prerequisite: PE 9th Grade
Credit: ½ unit (each semester) Grade: 10

Students in 10th grade will receive a core program based on the philosophy that a physically education student needs the experience of a wide variety of activities before their junior year. All students will receive the exact same activities over their sophomore year. The emphasis of this course will be on developing and improving skills and will be supported by both skill and cognitive assessments.

Physical Education (N010/N012)

Prerequisite: PE 9th Grade and PE 10th Grade
Credit: ½ unit (each semester) Grade: 11-12

Students in 11th thru 12th grades will receive a program that is elective based, with each grouping having a particular theme. The emphasis of this course will be on demonstrating competency and proficiency and will be supported by assessments. Students will be required to take different electives over the course of their junior and senior years. PE will be scheduled in the semester where it best fits in relation to other classes in the student schedule.

- **First Semester Electives (for 11th and 12th grade)**
  - **Advanced Strength Training (Fitness Elective)** – Students will research, develop and implement personal strength training programs using different training styles.
  - **Team A** – This elective will have activities based on the availability of facilities. Activities may include flag football, speedball, softball, floor hockey, water polo, basketball, and nitroball.
  - **Outdoor / Recreation** – Activities may include archery, kayaking/canoeing, fly fishing, tennis, pickleball, cornhole, spike ball, Kan Jam, and lifeguarding/CPR. Other activities may include snowshoeing, orienteering, hiking, etc.
  - **Individual / Duo** – Activities may include badmintion, bowing ($25 fee), golf, pickleball, tennis, archery, ice skating or roller skating ($25 fee), frisbee golf, lifeguarding/CPR, adventure learning dance.

- **Second Semester Electives**
  - **Advanced Strength Training (Fitness Elective)** – Students will research, develop and implement personal strength training programs using different training styles.
  - **Team A** – This elective will have activities based on the availability of facilities. Activities may include basketball, volleyball, handball, touch rugby, ultimate frisbee, and water games.
  - **Outdoor / Recreation** – Activities may include archery, kayaking/canoeing, fly fishing, tennis, pickleball, cornhole, spike ball, Kan Jam, and lifeguarding/CPR. Other activities may include snowshoeing, orienteering, hiking, etc.
  - **Individual / Duo** – Activities may include badmintion, bowing ($25 fee), golf, pickleball, tennis, archery, ice skating or roller skating ($25 fee), frisbee golf, lifeguarding/CPR, adventure learning dance.

Adaptive Physical Education

Prerequisite: Placement by CSE
Credit: ½ unit (each semester) Grade: 9-12

Students with permanent physical conditions will participate in a program specially designed to meet individual needs.

Personal Fitness Plan (N700)

Prerequisite: PE 9th Grade and PE 10th Grade
Credit: NONE Grade: 11-12

To meet New York State educational law, each junior and senior is expected to complete a required Personal Fitness Log during the semester that they are not enrolled in Physical Education. This plan requires that each student log at least 10 days of physical activity each marking period during the semester that they are not enrolled in Physical Education. To receive a passing grade in the course, a student must receive a passing grade in three of the four marking periods. The fitness log is to be completed online using the ToolBox Pro program. This class in non-credit bearing and cannot be used to replace Physical Education, however the final grade will be reflected on the student transcript.

Science Department

Science is concerned with the facts, concepts and processes at work in the physical and biological world. Emphasis is places on the development of problem-solving skills and informed scientific attitudes. The goal of science education is to educate all students in the 21st century skills necessary to prepare them for success in today's world.

In order to graduate from high school, students must pass three science credits. One science credit must be a physical science, one credit must be a life science, and the third can be an elective of the student's choice.

Lab science courses are scheduled with an additional corresponding lab period. These classes are Earth Science; Living Environment; Chemistry; and Physics. Students will meet five days a week for class and then have an additional lab period every other day. Laboratory experiences reinforce theory, develop skills and allow students to analyze and interpret data. Each of these lab science courses will culminate with a state Regents examination. Eligibility to take the examination is based on successful completion of a minimum 1200 minutes of laboratory experience.

General Science (C541)

Prerequisite: NONE
Credit: 1 unit Grade 9

General Science is designed to help students adjust to the rigor of high school science, especially the demand of Regents courses. It will offer help in the areas of note taking, organization, study skills, and test taking skills. The course starts with the basic overview of science in general. It will cover introductory topics in life science and physical sciences. This course is designed to help students be successful with lab requirements and deadlines. The course will present basic vocabulary and introductory knowledge of each of these sciences. After this class, students should be able to move to General Biology, Regents Earth Science or Regents Living Environment class.
This class will fulfill one unit of physical science for graduation purposes.

Earth Science (C550)

Prerequisite: NONE
Credit: 1 unit Grade 9 or 10

Earth Science is designed to introduce students to the study of planet Earth's systems and its location in the universe; to develop an appreciation of the interrelationships between Earth's atmosphere, hydrosphere, geosphere, and biosphere; and to understand the Earth scientist's role in meeting society's ever-increasing need for natural resources and the basics of good stewardship of such natural resources. This course will also assist the student in developing the scientific skills and literacy that will benefit them in subsequent science courses. Evaluation is based on unit tests, quizzes, assignments, class participation; New York State required laboratory experience and the Regents Exam. The Regents exam is used as the course final exam.

General Biology (C640)

Prerequisite: NONE
Credit: 1 unit Grade 9 or 10

General Biology is designed for students who may need a beginning course for a life science. General Biology consists of five basic topics: Life Functions; Systems of the Human Body; Continuation of Life; The Green Plants; and Classification and Evolution. Evaluation is based on quizzes, assignments, class participation, laboratory experience, and unit tests. A local examination is given at the conclusion of this course.
This class will fulfill one unit of life science for graduation purposes.

Astronomy/Historical Geology (C641)

Recommendation: Earth Science
Credit: 1 unit Grades 10-12

Astronomy is designed for a student who is interested in space exploration, planetary characteristics, and stars. It is the intent of the course to discuss and discover basic astronomical concepts and observe how they relate to potential jobs in the field of astronomy. The course requires various trips, which demonstrate classroom concepts in the "real world". Experiences utilizing a "planetarium" will also be included. Evaluation is based on quizzes, tests, assignments, class participation, trip participation, and a final exam.

Historical Geology is designed to acquaint the student with the geological history of North America, particularly that of New York State. This would include major groups of fossil organisms, their evolutionary history, and patterns of distribution. The course will also introduce students to methods of geological investigation within the framework of major theories prevailing in the field. Evaluation will be based on lab work, discussion, a comprehensive paper, quizzes, and the final exam.

Living Environment -Biology (C650)

Prerequisite: NONE
Credit: 1 unit Grade 9 or 10

Living Environment is a Regents Biology program that is performance-based and is intended for those students who have an interest in biological science. It is the intent of the course to provide students with an awareness of living organisms including their morphology, physiology, anatomy, behavior, origin, and distribution through an inquiry-based approach. The course consists of a basic core of seven themes: Unity and Diversity of Life; Evolution; Homeostasis in

Organisms; Human Physiology; Reproduction; Heredity; and Ecology. Evaluation is based on quizzes, assignments, lab experience, unit tests and the Regents Exam. The Regents exam is used as the course final exam.

General Chemistry (C740)

Prerequisite: General Biology or Living Environment
Credit: 1 unit Grades 10-12

General Chemistry is an introduction to the general principles of chemistry. Topics may include the atom, periodic table, chemical bonds, chemical reactions, nuclear reactions, matter and energy, gas laws, solutions, and organic chemistry. The mathematics of chemistry has been deemphasized and replaced by a practical approach to the study of everyday chemistry. A local exam is given at the conclusion of the course.

Chemistry (C750)

Prerequisites: Earth Science, Living Environment, and Algebra 1R
Recommendation: Geometry R
Credit: 1 unit Grades 10-12

Chemistry provides an intensive study of the properties, uses, and changes of matter at both the atomic and macroscopic level. Theories, principles, and their applications are studied through experimentation and discussion. Students will gain a deep understanding of the periodic table, intermolecular and intramolecular chemical bonds, chemical reactions, matter and energy, acids and bases, kinetics and equilibrium and stoichiometry. It is expected that students will be able to solve algebraic expressions, use logic, and comprehend complex word problems using dimensional analysis. Students should expect homework every night. Evaluation is based on quizzes, assignments, class participation, lab experience, unit tests, and the Regents Examination. The Regents Examination is used at the course final.

North American Wildlife (C752)

Prerequisite: Successful completion on any two-core curriculum Science classes
Credit: 1 unit Grades 10-12

North American Wildlife is a course that introduces students to the wildlife that live on our North American continent. Emphasis will be placed on how we as humans have adversely affected the environment and wildlife populations and what is being done today to correct these mistakes. Students will study all aspects of some of North America's most interesting

wildlife. Students will complete brief writing assignments and discussions based on the material presented in class through videos, reading, and projects.

General Physics (C840)

Prerequisite: General Biology or Living Environment
Credit: 1 unit Grades 10-12

General Physics is a course to provide a humanistic approach to the study of physics in which fundamentals are developed. It is designed for students to learn more about the scientific aspects of the world in which they live. The content emphasizes laboratory activities and is divided into several basic core areas: motion, sound and light, electricity, and magnets. Evaluation is based on labs, problem solving tasks, and tests.

Physics (C850)

Prerequisite: Chemistry, Algebra 2R or concurrent enrollment
Recommendation: Algebra 2R
Credit: 1 unit Grades 11-12

Physics is a laboratory-based course that covers topics in mechanics, motion in a plane, work and energy, electricity and magnetism, wave phenomena, and modern physics. The emphasis on laboratory projects and physical reasoning will help students develop critical thinking skills. Evaluation is based on quizzes, assignments, class participation, labs experience, unit tests and the Regents Exam. The Regents exam is used as the course final exam.

Anatomy & Physiology (C851)

Prerequisite: Living Environment and Chemistry
Credit: 1 unit Grades 11 & 12

Anatomy & Physiology is an intensive study of anatomy, physiology, and genetics such as that might be found in a freshman college course. This course is of value to students entering nursing and other health related fields. Students are also expected to read articles from current literature. Student grades are determined from general classroom performance, topic quizzes, and major unit tests. A final exam is given at the end of this course.

ACE Biology I (C890)

Prerequisite: Living Environment & Chemistry
CCC requires students have an 85% or above cumulative average to be eligible to enroll in this course.
Credit: 1 unit (HHS) Grades 11 & 12

CCC: 4 Credit Hours
BIOL 1510 General Biology I

ACE Biology I is a course that emphasizes the modern aspects of biology and its techniques. Students will study biochemistry, cell structure and physiology, genetic mechanisms, a survey of the three domains of organisms, and plant structure and physiology. Evaluation is based on chapter quizzes, lab practicums, hourly exams, an individual research project, and a final exam. Students may choose to take the AP exam.

ACE Biology II (C891)

Prerequisite: ACE Biology I
Credit: 1 unit (HHS) Grades 11 & 12

CCC: 4 Credit Hours
BIOL 1520 General Biology II

ACE Biology II is a course that emphasizes the modern aspects of biology and its techniques. Students will study evolution, animal diversity, human and animal anatomy/physiology, animal behavior, reproduction and development, and ecology. Evaluation is based on chapter quizzes, lab practicums, hourly exams, an individual research project and a final exam. Students may choose to take the AP exam.

ACE Chemistry I (C893)

Prerequisite: Chemistry & Algebra 2R
CCC requires students have an 85% or above cumulative average to be eligible to enroll in this course.
Credit: 1 unit (HHS) Grades 11 & 12

CCC: 4 Credit Hours
CHEM 1510 General Chemistry I

ACE Chemistry I is a course that studies the principles of chemistry and its quantitative aspects, stoichiometry, chemical reactions, gas laws, quantum theory, periodic table structure and bonding, elementary thermochemistry, and solutions. Descriptive chemistry is integrated

throughout the course. A comprehensive final is given at the end of the course. The final grade is determined by daily homework problems, exam and quiz grades, lab grades and the final exam. A student may opt to challenge the AP exam. Intended for, but not limited to math/science students. It is recommended that students be familiar with algebraic and logarithmic calculations. High school physics is recommended but not required.

ACE Chemistry II (C894)

Prerequisite: ACE Chemistry I
Credit: 1 unit (HHS) Grades 11 &12

CCC: 4 Credit Hours
CHEM 1520 General Chemistry II

ACE Chemistry II continues the study of principles of chemistry and its quantitative aspects. Students will take an in depth look at solutions, rate of reaction, equilibrium, acids, bases, thermodynamics, and electrochemistry. Descriptive chemistry is integrated throughout the course. The American Chemical Society exam is used as a comprehensive final exam at the end of the course. The final grade is determined by exam and quiz grades, lab grades, lab exams, and the final exam. A student may opt to challenge the AP exam.

ACE Physics (C892)

Prerequisite: Regents Physics &
ACE Calculus I or concurrent enrollment
Credit: 1 unit (HHS) Grades 11 & 12

CCC: 4 Credit Hours
PHYSICS 1820 Physics I

ACE Physics is a course that is designed to be the equivalent of general physics and calculus based for a course that is generally taken in the final semester of college. This course is introductory principle of classical and modern physics. Mechanics of solids, periodic motion and sound, and heat and properties of matter. A school examination is given at the conclusion of this course. The evaluation is based on problem sets, lab work, tests, periodic quizzes and exams.

Marine Biology (C010)

Prerequisite: Living Biology or General Biology
Credit: ½ unit Grades: 10-12

Marine Biology is a course that emphasizes the impact of humans on the ecology of the marine ecosystem. The objective of this course will be to develop and understanding of marine biology. Such an understanding is fundamental to the appreciation, preservation, and protection of the marine environments worldwide. Connection between marine systems, biological processes and global health will be studied in this course by building a working knowledge of the field of marine biology itself. Brief open-ended writing assignments, short projects and activities coupled with technology will be assigned to help develop scientific literacy. Evaluation will be based on homework, activities, short projects, quizzes and tests.

Zoology (C011)

Prerequisite: Living Environment
Credit: ½ unit Grades 10-12

Zoology is a course where students will study animal biology. The overall objective of this course will be to explore the vast diversity present in the animal kingdom. This course requires students to learn and use complex scientific English and Latin. This course is ideally suited for any student planning to pursue biology in college or any student with a general interest in animal life.
The course will be divided into two major units; Invertebrate and Vertebrate Zoology. Brief open-ended writing assignments, short projects and activities coupled with technology will be assigned to help develop scientific literacy. Evaluation is based on homework, activities, short projects, quizzes, and tests.

Forensic Science (C012)

Prerequisite: Earth Science or Living Environment &
Algebra 1R
Credit: ½ unit Grades 10-12

Forensic Science is a project-based course that provides students with the opportunity to experience real world forensic techniques through processing and/or analyzing theoretical crime scenes and case studies of specific crimes committed throughout history. Students will apply skills from a variety of content areas including math, technology, psychology, biology, chemistry, and physics. Developing skills in reading comprehension and writing is also heavily emphasized. This is NOT a lecture style class. Rather, students work individually or in small

groups with the instructor serving as a guide while they experience situations requiring forensic techniques. Students are expected to learn the concepts using resources that include their textbook, self-guided activities, and the “The Poisoner’s Handbook”.

Social Studies Department

Four units of Social Studies are required for graduation. Because of Horseheads' intensive block scheduling, the first two credits (Global History 1 and Global History 2 OR AP World History) will be scheduled during the same school year. The remaining courses are taken in the junior and senior year.

Social Studies courses are designed to provide students understanding of the history and culture of both the United States and the world around them. Emphasis is placed on developing a variety of research, communication and collaborative skills.

Global History & Geography I (B550)

Prerequisite: NONE
Credit: 1 unit Grades 9 or 10

Global History 1 is the first course of the state mandated Social Studies program which is organized in a chronological fashion. The goal of the Global History program is to demonstrate the common features that are instrumental in shaping world civilization. Evaluation is based on quizzes, unit tests, projects, class participation, and a final examination.

Global History & Geography II (B650)

Prerequisite: Global 1
Credit: 1 unit Grades 9 or 10

Global II is the second course of the state mandated Social Studies program. This course will be scheduled in the same year as Global I and it continues the chronological approach. The concept of interdependence and the accelerated frequency of interactions among nations and people is a primary focus of this course. Evaluation is based on quizzes, unit tests, projects, class participation and the Regents exam.

AP World History: Modern (B680)

Prerequisite: NONE
Credit: 2 units Grade: 10

AP World History is a yearlong course that is offered to tenth grade students in lieu of Global History I and II. This course is a college level introduction to world history. The course meets the requirements of the College Board's Advanced Placement curriculum and the New York State Regents curriculum for Global History & Geography. The course will be graded on a collegiate level as college credit may be obtained through the Advanced Placement test. All students in the course will be required to take the Advanced

Placement test in May as well as the Global History & Geography Regents exam in June. AP World History will cover historical content form around the world from approximately 10,00BCE until the modern age. Within the course students can expect to explore key historical themes, philosophies, dates, and personalities. Upon completion of the course students should be able to make educated comparison of historical content as well as apply content to current situations throughout the world. Students may expect significant outside reading to compliment the material in the course. Writing will also be a critical component of the course as it is a significant part of the AP test and the Regents examination. Students will have a summer assignment. The New York State Global History and Geography Regents is the final exam for this course.

US History & Government (B750)

Prerequisite: Global I & II *OR* AP World History
Credit: 1 unit Grade: 11

US History & Government is a required course for graduation. The course is a chronological approach to the development of the nation's history. Emphasis is placed on American government and politics and United States history since 1865. Outside readings which include historical documents and periodicals are used to develop the student's ability to solve meaningful problems in history. Evaluation is based on class participation, quizzes, unit tests, and term papers. The Regents exam is the final exam for this course.

AP United States History (B780)

Prerequisite: Global I & II *OR* AP World History
Co-requisite: American Voices
Credit: 1 unit (full year course, scheduled on A or B day) Grade: 11

AP US History is a yearlong course offered to juniors in lieu of American Studies. It is scheduled in conjunction with American Voices. The AP US History will be schedule yearlong on either an A or B day with American Voices scheduled on the opposite day. This is a college level course that has a strong emphasis on concepts and historical analysis through an intensive reading and writing program. The course covers American history from colonial times to the present. Students are prepared and required to sit for the AP exam offered in May as well as the Regents exam. The New York State US History Regents is the final exam for the course.

Economics / Participation in Government (B850)

Prerequisite: Global History I, II, US History (or alternate AP level courses)
Credit: 1 unit Grade 12

Economics and Participation in Government emphasizes an understanding of economic concepts and citizenship. The students examine various elements that comprise micro-economics: supply and demand, income and spending, price structure, market structure and economic institutions. The macro-economic picture is examined to help the student understand how various components of an economy work together: tax structure, fiscal policy, monetary policy, debts and deficits, unemployment, inflation, Gross National Product, and international economics.
The course emphasizes an understanding of the federal, state, and local government structures and the role of citizenship. Students thoroughly examine the three branches of government and the influence of special interest groups, constituents, and political parties. They look at their personal role as a citizen and research how their views can be influential when proper channels are taken. The course emphasizes and understanding of the school board structure. Evaluation is based on regular notebook checks, various individual projects, and tests.

AP US Government and Politics (B881)

AP Comparative Government and Politics (B882)

Prerequisite: Global History I, II, US History (or alternate AP level courses)
Credit: 2 units Grade 12

AP US Government and Politics meets the 12th grade Social Studies graduation requirement. These two AP courses are designed to run together on an A/B day rotation for a full year to give students the opportunity to take both AP US Gov't & Politics and AP Comparative Gov't & Politics. Students must take both courses together. These courses share foundational content on the topics of sovereignty, authority and power, political institutions, citizens, society and the state along with political and economic change. AP US Gov't & Politics focuses on the politics of the United State of America. AP Comparative Government focuses on methods of comparing the politics of China, Russia, Iran, Great Britain, Nigeria, and Mexico. It is designed to be as fluid as the world in which we live and provides the student with a global perspective. Students are required to take both the AP exams in May.

ACE Principles of Economics (B890)

Prerequisite: Global History I, II, US History (or alternate AP level courses)
CCC requires students have an 85% or above cumulative average to be eligible to enroll in this course
Credit: 1 unit Grade 12

CCC: 6 credit hours
ECON 2001 Principles of Economics- Macro
ECON 2002 Principles of Economics- Micro

ACE Principles of Economics is a study of both the principles of Micro and Macro Economics. Macro Economics entails the study of supply and demand, national income accounting, the tax structure, the business cycle, unemployment and inflation, and fiscal and policy analysis. Micro Economics entails the study of price elasticity of demand and supply, utility theory, production cost analysis, profit maximization of the firm, market structure and antitrust, labor organizations, international trade and finance, and the economics of growth and development. ACE Principles of Economics satisfies the 12th grade Social Studies Requirement.

Criminal Justice (B043)

Prerequisite: NONE
Credit: 1 unit Grade 9-12

Criminal Justice includes the study of the legal system. Students will analyze the court systems, theories of crime, penal law, the trial, and the corrections system. Also included is the study of criminal substantive law. Discussion would include topics such as arson, murder, robbery, organized crime, larceny, burglary, child abuse, and their defenses. There are movies, videotapes, and speakers where appropriate. The course will have unit exams and a final exam.

American Civil War (B046)

Prerequisite: NONE
Credit: 1 unit Grades: 9-12

The principal goal for this class is to provide students with an understanding of the scope and consequences of the bloodiest war in our nation's history. Focus will be on the period between 1861-1865 but the course will also encompass the years leading up to the outbreak of war and in the months that followed its conclusion. Through a combination of lectures, readings, films and projects students will learn the causes of the war, participants on both sides, what lead to a northern victory and the effects on society.

Critical Issues/World at War (B051)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Critical Issues/World at War is a in depth look at major wars that have shaped our world today. The course will look at World War I, World War II, the Russian Revolution, the Korean War, and the Vietnam War just name a few. As the world becomes increasingly more interdependent, it is important to look at the influence that these events have had on the lives of the people and the nations. Students will study the concepts of genocide, nationalism, the "collapse of communism", the situation in the Middle East, and many others.
Evaluation will be based on class participations, projects, a journal, quizzes, tests and a final exam.

Introduction to Psychology (B053)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Introduction to Psychology will introduce students to the field of Psychology. The course is designed to reflect the five broad content areas (domains) as defined by the American Psychological Association. Course work will include an introduction to research methods, the study of motivation and emotion, personality, learning, memory and psychological disorders. The class will consider the evolution of various psychological theories and the different ways that behavior is affected by environment, society and developmental changes in a person's life. Evaluation is based on traditional testing, classroom experiments, web-based activities, movie analysis and a variety of other projects that will be of interest to high school students.

Geography: Political & Cultural (B040)

Prerequisite: NONE
Credit: 1 unit Grades: 9

Geography is designed to help 9th grade students understand the concepts of geography and the world in which we live. Instruction will focus on the regions of the world, including a study of culture, history and government of each area. This course will use a variety of authentic and performance assessments, including manipulation of geographic tools, maps and related equipment. Students will understand the significance of historical events which helped to develop the culture of the regions we will be studying and connect current events to understand how people interact in today's global community. This course is designed to help students become better prepared to handle the world in which they live and prepare them for

future course work in Global Studies I, II and American Studies. Students are selected by teacher recommendation.

Technology Department

A five-credit sequence in the Technology can be an alternative to the World Language requirement for an Advanced Designation Diploma. To complete a five-unit sequence, a student must take the following:

Foundation Courses (1 credit):

- **Design and Drawing for Production**
- **Communications System AND Transportation & Energy**

Systems Course (1/2 credit):

- **Communication Systems**
- **Production & Residential Structures**
- **Transportation & Energy**

Elective Courses (1 credit):

- **ACE Engineering Orientation**
- **ACE Graphics for Engineers**
- **Production & Residential Structures**
- **Broadcast & Video Production**
- **Computer Animation**
- **Furniture & Cabinet Making**
- **Robotics**

2 ½ additional credits are required and can be selected from any of the above courses.

Transportation & Energy (L040)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Students will create projects based on engineering, and problem solving. Included will be energy conservation, small engine diagnosing and repair, and alternative and renewable energy. Students will also research and build transportation based project(s).

Communication Systems (L041)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Students will study and produce computer-based projects such as music videos, movie posters, business cards, webpages and computer animation. The class is designed to give students an overview of many different types of computer software and their uses. Upon completion, students will have a better working knowledge of different software applications and how they can use them in their everyday life. Projects will be designed for the following software applications: Adobe: InDesign, Photoshop, Illustrator, Premiere, and the Microsoft Office package.

Production & Residential Structures (L042)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

Students will learn about everything necessary to build a home. Foundations, framing, sheathing, roofing, electrical wiring and plumbing will be covered. Students will wire common circuits, build a model and construct a storage shed in the class. The shed will be sold to a community member for the cost of the materials.

Design & Drawing for Production (L043)

Prerequisite: NONE
Credit: 1 unit

Design & Drawing Production is a course where students will use industry standard 3D solid modeling software to facilitate the design and documentation of their solutions. As the course progresses and the complexity of the design problems increase, students will learn more advanced computer modeling skills as they become more independent in their learning, more professional in their collaboration and communication, and more experienced in problem solving. The initial focus of the class will be on the element of design creativity, while addressing functional and aesthetic requirements of products. Students will also learn a variety of mechanical drawing techniques to prepare them to be effective graphic communicators in a technical society. Various types of drawings will be incorporated into design challenges including orthographic projections, pictorials, sections, and auxiliary views. Each of these types of drawings will be integrated into activities that primarily focus on the production of exciting, real world products. The class will culminate with designing and printing a 3D image of the student's final solutions.
This course may count as one credit in Fine Art.

Broadcast & Video Production (L044)

Prerequisite: NONE
Credit: 1 unit

Broadcast & Video Production is a course where students will learn how to create videos using professional video editing software. Student grades will be based on projects 50%, quizzes 30%, and homework 20%. Projects will include commercials, humor/skits, movie trailers, music videos and more.

Furniture & Cabinet Making (L011)

Prerequisite: NONE
Credit: ½ unit

Furniture & Cabinet Making is an introductory woodworking class. Students will select a project, generate a set of plans and build it. The class will cover material properties, safe use of machine tools, advanced assemble methods and finishing. Materials available are oak, cherry, maple and walnut.

Computer Animation (L012)

Prerequisite: NONE
Credit: ½ unit

Computer Animation is a course where students will use Adobe Animate and other current software to make 2D computer animations. Class work will demonstrate different aspects of computer animation. The course is all project based with 70% of the grade coming from being able to use the program and the other 30% is based on creativity. Projects include animated stories, webpages, games and special video effects.

Robotics (L018)

Prerequisite: NONE
Credit: ½ credit

Robotics is a beginner course where students utilize robots and virtual software. The objective of this course is to introduce the student to basic programming as well as problem solving strategies. This course will involve students in the development, building, and programming of robots. Students will work hands-on and in teams to design, build, and program robots to complete certain tasks. Topics may include motor control, gear ratios, torque, friction, sensors, timing, program loops, decision-making, timing sequences, and binary number systems.

ACE Graphics for Engineers, 3-D CAD (L091)

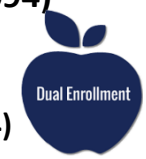
Prerequisite: Algebra 2R
Credit: 1 unit (HHS) Grades 11-12
Offered: Every other year (2022-2023)

CCC: 3 Credit Hours
ENGR 1030 Graphics for Engineers

ACE Graphics for Engineers is a course where students will use SolidWorks to create 3D objects. Students will learn how to layout their 3D object in orthographic projections and dimension them using current engineering drafting standards. Types of drawings to include: auxiliary views, section views, assembly, detail drawings and design concepts.

ACE Engineering Orientation (L094)

Prerequisite: Algebra 2R
Credit: 1 unit (HHS) Grades 11-12
Offered: Every other year (2023-2024)



CCC: 2 Credit Hours
ENGR 1010 Engineering Orientation

ACE Engineering Orientation is a course where students will study and learn about different engineering career opportunities. The course involves statistics, design solutions, and problem solving. Many projects are real life projects where students will problem solve, design, and produce a solution. The focus will be on the big five engineering fields: mechanical, electrical, industrial, civil, and architectural.

World Languages Department

All students need one unit of a world language in order to graduate, unless the student is exempt from the requirement through the Committee on Special Education.

Students who are seeking an Advanced Designation diploma will need to take three units of world language and pass the Checkpoint B exam at the end of the third year.

French I (E451)

Prerequisite: NONE
Credit: 1 unit Grades 9-12

French I is a beginning level course. Students learn the sound system, basic vocabulary, structures and about the French-speaking world through various media. They will learn to provide and obtain information and socialize on everyday topics such as: family, meals, travel, and leisure activities. They learn to read for information from basic French materials such as short notes, brief messages and advertisements. Students will be evaluated based on homework, quizzes, tests, projects and a final exam; skill areas include listening, reading, writing and speaking.

French II (E551)

Prerequisite: French 1 or successful completion of three years in another language
Credit: 1 unit Grades 9-12

French II is a continuation of Checkpoint A, beginning French. Students continue to develop their communication skills in listening, speaking, reading, and writing French in order to provide and obtain information and to socialize using the Spanish language. Some of the topics covered are family, meals, shopping and health. Students are also presented with cultural patterns and traditions of Francophone countries. Students are evaluated by oral interviews and written quizzes and exams. The final exam is a district final that includes speaking, listening, reading and writing.

French III (E651)

Prerequisite: French II
Credit: 1 unit Grades: 9-12

French III is a course designed to prepare students to take the Comprehensive Regents Equivalency Exam in French. It

is a Checkpoint B course according to NYS standards. Students continue to develop their four communication skills in French: listening, speaking, reading, and writing. Students are required to speak daily to prepare them for the two interviews that are part of the Regents Equivalency Exam. Students are required to initiate and sustain basic conversation with their peers and teachers. Students are required to read and comprehend materials written for native speakers such as magazine and newspaper articles and advertisements. Students are evaluated by oral interviews as well as written quizzes, tests and the equivalency exam.

ACE French IV (E791)

Prerequisite: French III
Credit: 1 unit (HHS) Grades: 10-12

CCC: 4 Credit Hours
FREN 2010 Intermediate French

ACE French IV is an intermediate French course that is designed for students who wish to continue language study to develop a greater facility in reading, writing, speaking, and understanding the language through a systematic review of its structures. This is a dual-credit course where students earn high school and college credit through Corning Community College. This course includes a thorough analysis of the language through an intensive discussion of grammar, usage, style and vocabulary, enhancing expression through composition, oral reports, class discussions and conversations. The class is conducted primarily in the target language and therefore, students are required to speak in the target language.
There is a lab component to this course. Students will do listening and speaking activities in the computer lab at least once per week. Students will be evaluated through class participation, homework, lab exercises, interviews, written quizzes, tests, and a final exam.

ACE French V (E891)

Prerequisite: French IV
Credit: 1 unit (HHS) Grades: 10-12

CCC: 4 Credit Hours
FREN 2020 Composition & Conversation

ACE French is a course designed as an advanced French Language course, as well as a conversation and composition college credit course with CCC. This class covers the equivalent of a third-year college course in advanced French writing and conversation. It encompasses aural/oral skills, reading comprehension, grammar, and composition. Students taking this course can expect the use of French for active communication with the following objectives: 1) the ability to comprehend formal and informal French spoken by native speakers using authentic audio; 2) the acquisition of vocabulary and a grasp of structures to allow accurate

reading of literary pieces and newspaper articles; 3) the ability to compose expository passages; and 4) the ability to express ideas orally with accuracy and fluency. The final exam is a project decided by the student and the teacher. This course is conducted entirely in French.

Spanish I (E450)

Prerequisite: NONE
Credit: 1 unit
Grades: 9-12

Spanish I is a beginning level, Checkpoint A, course. Students learn the sound system, basic vocabulary, and structures. They will learn to provide and obtain information and socialize about everyday topics such as: family, meals, travel, and leisure activities. Students learn to read for information from basic Spanish materials such as short notes, brief messages, and advertisements. Students will also learn to write basic notes and messages about everyday activities. Students are evaluated by oral interviews, written quizzes and exams. They final exam is a district final that includes speaking, listening, reading, and writing.

Spanish II (E550)

Prerequisite: Spanish I
Credit: 1 unit Grades 9-12

Spanish II is a continuation of Checkpoint A, beginning Spanish. Students continue to develop their communication skills in listening, speaking, reading, and writing Spanish in order to provide and obtain information and to socialize using the Spanish language. Some of the topics covered are family, meals, shopping and health. Students are also presented with cultural patterns and traditions of Spanish-speaking countries. Students are evaluated by oral interviews and written quizzes and exams. The final exam is a district final that includes speaking, listening, reading and writing.

Spanish III (E650)

Prerequisite: Spanish II
Credit: 1 unit Grades: 9-12

Spanish III is a course designed to prepare students to take the Comprehensive Regents Equivalency Exam in Spanish. It is a Checkpoint B course according to NYS standards. Students continue to develop their four communication skills in Spanish: listening, speaking, reading, and writing. Students are required to speak daily to prepare them for the two interviews that are

part of the Regents Exam. Students are required to initiate and sustain basic conversation with their peers and teachers. Students are required to read and comprehend materials written for native speakers such as magazine and newspaper articles and advertisements. Students are evaluated by oral interviews as well as written quizzes, tests and the equivalency exam.

ACE Spanish IV (E790)

Prerequisite: Spanish III
Credit: 1 unit (HHS) Grades: 10-12

CCC: 4 Credit Hours
SPAN 2010 Intermediate Spanish

ACE Spanish IV is an intermediate Spanish course that is designed for students who wish to continue language study to develop a greater facility in reading, writing, speaking and understanding the language through a systematic review of its structures. This is a dual-credit course where students earn high school and college credit through Corning Community College. This course includes a thorough analysis of the language through an intensive discussion of grammar, usage, style and vocabulary, enhancing expression through composition, oral reports, class discussions and conversations. The class is conducted primarily in the target language and therefore, students are required to speak in the target language.
There is a lab component to this course. Students will do listening and speaking activities in the computer lab at least once per week. Students will be evaluated through class participation, homework, lab exercises, interviews, written quizzes, tests, and a final exam.

ACE Spanish V (E880)

Prerequisite: Spanish IV
Credit: 1 unit (HHS) Grades: 10-12

CCC: 4 Credit Hours
SPAN 2020 Comp and Conversation

ACE Spanish is a course designed as an advanced Spanish Language course, as well as a conversation and composition college credit course with CCC. This class covers the equivalent of a third-year college course in advanced Spanish writing and conversation. It encompasses aural/oral skills, reading comprehension, grammar, and composition. Students taking this course can expect the use of Spanish for active communication with the following objectives: 1) the ability to comprehend formal and informal Spanish spoken by native speakers using authentic audio; 2) the acquisition of vocabulary and a grasp of structures to allow accurate reading of literary pieces and newspaper articles; 3) the ability to compose expository passages; and 4) the ability to express ideas orally with accuracy and fluency. The final exam is a project decided by the student and the teacher. This course is conducted entirely in Spanish.

ACE Spanish VI (E892)

Prerequisite: Spanish V

Credit: 1 unit (HHS) Grades: 10 – 12

CCC: 4 Credit Hours

SPAN 2310 Brief Intro to Literature

ACE Spanish VI is an advanced study in the language with an introduction to serious readings of the great writers of literature. The student conveys ideas and develops the ability to exchange ideas through writing and discussion of literary works in the target language. This class is conducted in the target language.

Students are evaluated through class participation, oral presentations, interviews, written quizzes and test, as well as a comprehensive final exam.

Students taking this course are also able to challenge the Advanced Placement Spanish exams in “Language and Culture” and/or “Literature and Culture.”