

Wayne Ackles
Executive Principal

Tracy Klefbeck
Principal

Thomas J. Vaughan, Jr
Principal

Maura White
Principal

Dear Students and Parents,

Welcome to the 2020-2021 edition of West Genesee High School's Course Catalog. We encourage you to use this information as a map for a challenging, fulfilling, and worthwhile academic experience while at West Genesee High School. Within this publication, you will find important information on such topics as:

- *A profile of our district and high school*
- *Graduation requirements established by the West Genesee Board of Education and the New York State Education Department*
- *Advanced Placement and college level course opportunities*
- *The Odyssey Program*
- *Academic support services*
- *Interscholastic and co-curricular opportunities*
- *Course descriptions, prerequisites, expenses and units of credit*
- *BOCES Occupational Education and New Visions Programs*

West Genesee provides its students with both a Regents Diploma with Advanced Designation and a Regents Diploma program. We also encourage students to take advantage of a number of college course offerings beyond the Regents level. Please note that a challenging academic program may at times be very demanding, yet rewarding. In addition, all full time students are required to be enrolled in a minimum of six academic classes plus physical education each semester. We, as parents and educators, must do all we can to enable and assist our students in their academic pursuits.

In closing, we wish you a successful and enriching learning experience at West Genesee High School!

Sincerely,



Wayne Ackles
Executive Principal

Course Catalog 2020-2021

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The West Genesee Central School District hereby advises students, parents, employees and the general public that it offers employment and educational opportunities, including vocational education opportunities, without regard to sex, race, color, national origin, disability, marital status or sexual orientation.

Inquiries regarding this nondiscrimination policy and the grievance procedure may be directed to:

*Title IX Coordinator
(sex discrimination)*

*Brian D. Kesel, Asst. Supt.
for Curriculum and Instruction
District Office
300 Sanderson Drive
Camillus, NY 13031
(315)487-4564*

*Section 504 Coordinator
(disability discrimination)*

*David Cirillo, Director
of Staff Relations
District Office
300 Sanderson Drive
Camillus, NY 13031
(315)487-4698*



WEST GENESEE CENTRAL SCHOOL DISTRICT

West Genesee Central School District
5201 West Genesee Street
Camillus, NY 13031

Mr. David C. Bills, Superintendent

Mr. Wayne Ackles, Executive Principal

Mr. Thomas J. Vaughan, Jr., Principal
Ms. Maura White, Principal

Ms. Tracy Klefbeck, Principal

WEST GENESEE SCHOOL DISTRICT

4600+ school population K-12
Residential community within 6 miles of Syracuse
serving the Town of Camillus and portions of the Towns
of Onondaga, Geddes, Van Buren and Elbridge.
Encompasses 41 square miles including suburban,
rural and light industrial areas.

SCHOOL

Enrollment 1469 Faculty 146

ACADEMIC PROGRAM

College preparatory programs that include the following
designations:

- Enriched (Enr) Regents (R)
- Advanced (Adv)

***COLLEGE LEVEL COURSES**

Advanced Placement (AP):

English Language & Composition, English Literature
& Composition, World History, Statistics, Biology,
Music Theory, Studio Art

Syracuse University Project Advance (SUPA):

Economics, Psychology,
Policy Studies, Sociology

SUNY College of Environmental Science & Forestry

The Global Environment

SUNY Oswego

French IV, French V, Spanish IV, Spanish V

Onondaga Community College (OCC):

Composition and Literature I and II, United States
History, Pre-Calculus, Calculus, Statistics,
Astronomy, Physics, Introduction to Business,
Financial Accounting, Information Systems,
Architectural Design and Production, Mechanical
Computer Aided Design, Advanced Photography,
Advanced Principles of Drawing

Cazenovia College:

Principles of Marketing
Principles of Business Management

TESTING PROGRAMS

CEEB Code = 331-175
SAT/PSAT
ACT

SCHOOL COUNSELORS

Mrs. Tara Buckman
Mrs. Katherine Callaghan
Mr. Mark Grier
Mrs. Lauren Navarra
Mrs. Erin Paris
Mrs. Annette Pickup
Mrs. Maura Secor

*College level courses are weighted by 1

PROFILE

GRADUATION REQUIREMENTS

Students must meet all the requirements set forth by New York State, including passing all Regents Examinations or Competency Tests, and requirements of the West Genesee School District to successfully graduate from high school. Students must earn a minimum of 22 units of credit in designated courses; these requirements are outlined below. **For Regents credit to be earned, students must pass both the course and the Regents examination.**

New York State Diploma Requirements

(Minimum passing score of 65% required)

Subject	Regents Diploma w/ Advanced Designation (*Honors)		Regents Diploma (*Honors)	
	Credit	Examination Requirements	Credit	Examination Requirements
English	4	ELA	4	ELA
Social Studies	4	U.S. History Global History	4	U.S. History Global History
Mathematics	3	3 Mathematics ● Algebra 1 ● Geometry ● Algebra 2 & Trigonometry or Algebra II	3	1 Mathematics ● Algebra 1 ● Geometry ● Algebra 2 & Trigonometry or Algebra II
Science	3	2 Sciences ● Living Environment ● Physical Setting	3	1 Science ● Living Environment ● Physical Setting
Art or Music	1		1	
Health	0.5		0.5	
World Languages	*** 3	Level III Examination	1	
Physical Education	2		2	
Electives	1.5		3.5	
Total Credits Required:	22		22	

SPECIAL ENDORSEMENTS:

***Honors Diploma:** The words "with Honors" may be added to the endorsement of a Regents diploma with Advanced Designation or to a Regents Diploma if a student has earned an accumulative average of at least 90% on the examinations indicated.

Mastery in Math and/or Science:

Students who first entered grade nine in September 2009 and thereafter, who complete all course work and testing requirements for the Regents diploma with advanced designation and who pass three commencement level Regents examinations in mathematics and/or three commencement level Regents examinations in science, with a score of 85 or better, will earn an annotation on the diploma that denotes mastery in mathematics and/or science, as applicable.

Technical Endorsement: A student meets the requirement for either a 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.

Non-Diploma Exiting Credentials: For students with disabilities who meet the requirements and objectives as outlined in his/her IEP and whose disability precludes them from earning a Regents or Local diploma.

- **Career Development and Occupational Studies Commencement Credential** (not a diploma) is for students with disabilities who are not assessed using the New York State Alternative Assessment.
- **Skills and Achievement Commencement Credential** (not a diploma) is for students with disabilities who are assessed using the New York State Alternative Assessment.

Please contact your School Counselor for more information about individual student graduation paths. Additional NYS diploma requirements can be found at <http://www.P12.nysed.gov/ciai/gradreq/2015GradReqPublisherVersion.pdf>

Seniors who are eligible to complete all requirements for graduation by August may participate in the June ceremony.

January graduates are invited to attend commencement the following June.

The **Course Catalog** is designed to provide West Genesee students and their parents with information to assist them in educational program planning. The brief course descriptions include: requirements, length of course, potential credits awarded and type of final examination given.

The high school program should reflect a student's **short and long-term goals**. Parents and students should read the course descriptions carefully. Students should discuss their interests and aptitudes with their parents, teachers and school counselors before making course selections. Also to be considered is the degree of difficulty of individual courses along with the student's overall course load. At the same time, **all full time** students at West Genesee High School must be enrolled in a **minimum of 6 academic classes plus physical education each semester**. **Any exception to this requirement must be made through appeal to the Executive Principal.**

As students and parents move through the planning process, they should be sure students' programs contain courses that meet the New York State and West Genesee graduation requirements, are challenging and assist students in attaining personal goals. The program should be well-balanced and contain courses from a variety of subject areas. Selecting elective courses gives students an opportunity to explore possible career options and develop interests that lead to lifetime hobbies or activities.

Graduation Plan

The graduation plan is a map which leads to the short and long term academic/career goals identified by the student and parent.

The following step is followed:

- During the 8th grade planning conference, the student and counselor identify the ninth grade courses needed for graduation and preparation for further study. Recommendations for courses are based on the student's profile, teachers' recommendations, previous academic records, interest and aptitude testing, as well as current achievement.

Grading System

Range	1-100
90+	High Honors
85-89.99	Honors
65	Passing

The calculation for the final average in a course will be communicated in each instructor's syllabus at the start of the year. For individual courses this calculation will be consistent across multiple sections. In all areas each marking period will be equally weighted and final examinations will not exceed 20%. Instructors have discretion over the weighting of grades within a particular marking period and this will also be communicated within the instructor's syllabus at the start of the year.

Course Levels

Regents Courses are offered in English, Social Studies, Mathematics, Science and World Languages. The Board of Regents of New York State establishes the course content and evaluates student progress through administration of Regents Examinations or a regionally developed examination in LOTE. All students are expected to pass the required Regents or Regional Examination(s) for a Regents Diploma with Advanced Designation or for a standard Regents Diploma. The only exception to this policy are students with an Individualized Education Plan (IEP) working toward a Non-diploma Exiting Credential.

In addition to college-level courses, West Genesee High School provides two levels of academic study in English and Social Studies. The level at which a student studies is determined primarily by prior academic performance, ability and teacher recommendation. These levels include the following:

- **Enriched** is a rigorous academic program that explores Regents course content in greater depth. Placement in these classes is made after consultation with student, parent, counselor and teacher.
- **Regents** is the traditional academic program required by the New York State Education Department for graduation.

Advanced Placement Courses (AP) are offered to students who are academically motivated and capable of working independently. Depending upon the Advanced Placement Examination grade, students may earn college credit. Advanced Placement courses are college courses. The amount of work required for successful completion is equivalent to taking the course at a college or university. The amount of credit earned is determined by the

student's college. See department listings for course description. **Students enrolled in Advanced Placement courses are REQUIRED to take the appropriate Advanced Placement examinations in May.** This test is administered by the College Entrance Examination Board, Princeton, New Jersey. The cost per Advanced Placement Examination is approximately \$95 and is collected during the month of October. Textbook expenses may also be incurred.

***Syracuse University Project Advance (SUPA)** College courses are taught by high school teachers who are also adjunct instructors from the various Syracuse University Departments. Instructional materials and testing are similar to on-campus course offerings. Supervision of the program is maintained by Syracuse University staff. Students wishing to receive college credit from Syracuse University must pay a tuition fee of approximately \$115 per credit hour. If a student chooses not to attend Syracuse University, the amount of credit earned will be determined by the appropriate department at the student's college.

*If a student chooses not to take the course for Syracuse University credit, this is reflected on his/her transcript with the designation of C.L. (College Level) rather than SUPA. See department listings for course offerings.

Onondaga Community College (OCC) courses are taught by high school teachers who are also adjunct instructors from the Onondaga Community College departments. Instructional materials and testing are similar to on-campus course offerings. Supervision of the program is maintained by Onondaga Community College staff. See department listings for course offerings. There are no registration fees.

State University of New York at Oswego (SUNY Oswego) courses have been approved by departments at Oswego to be taught by WGHS teachers. Our high school's Advanced French IV, French V, Spanish IV, and Spanish V curricula have been aligned with the Oswego courses and students may opt to earn three (3) Oswego State credits for \$175.

Cazenovia College courses have been approved by departments at Cazenovia to be taught by WGHS teachers. Our high school's Principals of Marketing and Principals of Business Management curricula have been aligned with Cazenovia courses and students may opt to earn (3) Cazenovia College credits for \$250.

State University of New York College of Environmental Science & Forestry (SUNY ESF) offers a course that has been approved by the department at SUNY ESF to be taught by WGHS teachers. Our high school's The Global Environment curriculum has been aligned with SUNY ESF and students may opt to earn three (3) SUNY ESF credits for \$175.

BOCES (Board of Cooperative Educational Services) offers a wide variety of vocationally-oriented programs to Juniors and Seniors at the Thompson Road Center or the Morgan Road Center. Details about specific programs offered can be obtained from high school counselors.

NEW VISION is an alternative program for high school Seniors only. Eligible students have the opportunity to experience a professional field through an on-site placement. See New Visions section for more information.

OPPORTUNITIES TO ENHANCE A STUDENT'S HIGH SCHOOL EXPERIENCE

CO-CURRICULAR ACTIVITIES

Academic Decathlon
Into the Mind's Eye (Accolade)
ECOS
French Club
Freshman Senate
Junior Senate
Math League
Mock Trial

Model UN
National Honor Society
Positivity Project (P2)
Senior Senate
Sophomore Senate
Student Council
Yearbook

INTERSCHOLASTIC ATHLETICS

Baseball (Boys)
Basketball (Boys, Girls)
Bowling (Boys, Girls)
Cheerleading (Girls, Boys)
Cross Country (Boys, Girls)
Football (Boys)
Golf (Boys, Girls)
Ice Hockey (Boys)
Lacrosse (Boys, Girls)
Soccer (Boys, Girls)
Softball (Girls)
Swimming (Boys, Girls)
Tennis (Boys, Girls)
Track (Boys, Girls)
Volleyball (Girls)
Wrestling (Boys)

MUSIC

All County Festivals
All Eastern Festivals
All State Festivals
Brass Ensemble
Chamber Orchestra
Jazz Bands
Marching Band
Musicals
Percussion Ensemble
String Quartet
Technical Crew
Woodwind Ensemble

The Odyssey Program

The West Genesee Odyssey Program is designed to encourage then recognize students who complete a rich, rigorous and well-rounded, college-level educational experience while still in high school. The program offers students recognition for meeting criteria in six areas: successfully completing eight (8) college level courses of which one full unit must be from each of the following areas: English, Social Studies, Mathematics, Science and World Language; earning four (4) credits in supplemental courses, not necessarily college-level classes, in the following areas: Fine Arts, Business, Technology, second World Language and/or BOCES. College-level elective courses accrued above the required (8) may be considered for credit toward the supplemental courses; participating in an introductory Philosophy experience; fulfilling approximately 100 hours of community service over the course of their four-year high school experience; participating in 1 or more extracurricular school activities each year during their high school experience; and preparing a research-based project for a panel presentation. Seniors who fulfill the Odyssey requirements receive special recognition on Awards Night and at Graduation.

The Odyssey Program is introduced to students in eighth grade just prior to entering West Genesee High School for their freshman year. It is our intention to motivate students to select the strongest academic program possible while they attend school here. We believe that a coordinated, challenging, college-level program in the high school setting enhances a student's ability to achieve high levels of success in their post-secondary learning and/or working experiences.

NYS Seal of Biliteracy

The Seal of Biliteracy is an image on the diploma of students who have demonstrated literacy in more than one language. It is a signal to colleges and potential employers that an individual has accomplished the impressive task of learning a second language.

The Seal is available to both native speakers of a language other than English as well as students who have continued to level V in West Genesee’s World Language program.

To qualify for the Seal of Biliteracy, students must graduate with a NYS Regents diploma and receive at least 3 points in both the English and World Language categories according to the charts below.

Level V World Language Student

English	World Language
Score of 80+ on ELA Common Core 1 point	Complete a Checkpoint C World Language course (Level IV or V) with a grade of 85 in the course <u>and</u> final exam 1 point
Complete all 11th and 12th grade ELA courses with an 85+ average 1 point	Score at a proficient level on an accredited assessment* 1 point
Score a 3 or higher on the AP English Language or English literature exam 1 point	Present a culminating project (demonstrating speaking, listening, reading and writing skills) to a panel of reviewers. 2 points
Present a culminating project (demonstrating speaking, listening, reading and writing skills) to a panel of reviewers. 2 points	

ENL Student

English	World Language
Score 75+ on two or more Regents exams (not including English) without translation. 1 point	Provide transcripts from a school in a country outside of the US showing 3+ years of instruction in Grade 8 or higher, with a B or higher** 1 point
Score at the commanding level on 2 modalities of the NYSESLAT 1 point	Score at a proficient level on an accredited Checkpoint C World Language assessment 1 point
Complete all 11th and 12th grade ELA courses with an 85+ average 1 point	Present a culminating project (demonstrating speaking, listening, reading and writing skills) to a panel of reviewers. 2 points
Score 80+ on the TOEFL exam 1 point	
Present a culminating project (demonstrating speaking, listening, reading and writing skills) to a panel of reviewers. 2 points	

Course Requirements and Student Placement

Student success in a rigorous, sequential course of study is a fundamental goal of our educational program at West Genesee High School. Departments and academic disciplines have coordinated certain requirements and guidelines regarding student course selection and placement. These measures, carefully developed and considered by our teachers and administrators, ensure that each student is scheduled for the appropriate class and level. Factors considered in that decision include: reading level, past performance, Stanford Achievement Test scores, and motivation. Certain electives may not be taught due to lack of enrollment. Students scheduled in these courses are rescheduled with an appropriate alternative. Questions regarding student placement should be referred to the student's school counselor as the first step in a review process that includes the counselor, student, administrator, department chairperson, teacher, and parent.

Schedule Change Policy

Schedule change requests are ONLY APPROVED for the following reasons:

- Computer error
- Incorrect course level
- Course omitted – i.e. drop SH/add course
- Changes resulting from pass/fail in summer school or passing/failing the previous school year
- For “ADD/DROP” courses and program change within a subject area, i.e., level change. These changes must be made by:
 - 16 school days -full year course
 - 8 school days -1st semester course
 - 8 school days -2nd semester course
- A student may request a teacher change *ONLY if the student previously had that teacher.*
- Schedule change requests will be *DENIED* for the following reasons
 - Teacher change
 - Period change
 - Request to be in another class with friends

Academic Support Services

Interaction Time - Students are encouraged to meet with their teachers for instructional support. Interaction Time is offered Tuesday through Friday and provides an opportunity for students to meet with their teachers individually or in small groups for academic support following the regular school day (2:04 – 2:40).

The Learning Center - West Genesee High School provides Academic Intervention Services (AIS) through The Learning Center. Students are assigned support in conjunction with their performance on intermediate level state assessments. Referrals for enrollment may also be made by parents, teachers, or students who see their counselor. Regular attendance during Interaction Time is highly recommended for students needing additional assistance outside of class and is taken into consideration for approval into this program. Students are scheduled to receive support in lieu of a study hall on an every-other-day basis. Additional assistance is also offered after school. Enrollment is determined annually. The Learning Center staff works with students on skill deficiencies, Regents examination preparation, organization and study skills, as well as, successful course completion in the core academic areas.

The Pro-School Program - Students participating in this alternative education program receive extra social and emotional support so that they can better meet with academic success. Students are recommended for placement in the program by parents, teachers, or counselors and may take up to two core academic courses in its small group setting. Counseling sessions provided by a licensed social worker during study hall periods are a regular feature of the Pro-School Program.

College-Level Courses at West Genesee

All students are encouraged to participate in at least one college-level course before leaving high school. Some courses which utilize college-level materials that are integrated into the curriculum may be designated by the High School Curriculum Council as advanced level courses. Advanced Placement (AP), College and Advanced Level courses are weighted. This weighting is used solely for the purpose of determining student rank in class. Computation for a weighted grade is done by taking the final average and multiplying by 1.10. Transcripts show both weighted and un-weighted grade point averages. There are many benefits to participating in a college course:

- Preview of college-level work with “professors” who know you
- Possible college credit given and/or advanced placement status when entering college
- Strengthens high school transcript
- Probable enhancement of class rank and GPA
- Additional opportunities to gain higher-level thinking skills

Weighted Courses offered at West Genesee High School

Advanced Placement (AP)

Advanced Placement Language & Composition
Advanced Placement Literature & Composition
Advanced Placement World History
Advanced Placement Statistics
Advanced Placement Biology
Advanced Placement Music Theory
Advanced Placement Studio Art

Cazenovia College

Principles of Business Management
Principles of Marketing

Advanced Level Courses

Mathematical Analysis
Advanced Chemistry
Advanced Science Electives:

- Anatomy/Physiology
- Forensic Science
- Meteorology
- Astronomy

SUNY College of Environmental Science & Forestry

The Global Environment

SUNY Oswego

Advanced French IV Advanced French V
Advanced Spanish IV Advanced Spanish V

Syracuse University Project Advance (SUPA)

Syracuse University Project Advance Economics
Syracuse University Project Advance Psychology
Syracuse University Project Advance Policy Studies
Syracuse University Project Advance Sociology

Onondaga Community College (OCC)

OCC Composition and Literature I and II
OCC United States History
OCC Pre-Calculus
OCC Calculus
OCC Statistics
OCC Physics
OCC Introduction to Business
OCC Financial Accounting
OCC Information Systems
OCC Architectural Design and Production
OCC Design and Manufacturing
OCC Mechanical Computer Aided Design
OCC Advanced Principles of Drawing
OCC Digital Photography/Video-Photo III

Non-College Courses

Business Law
Home & Small Business Networking
PC Hardware & Software
Lifetime Physical Wellness
Alternative Process Photography II

College Admission Planning

The major criterion used by colleges for making admission decisions is the **quality** of a student's high school program. This means students should be selecting the most challenging "college preparatory" program possible, particularly in the areas of English, Mathematics, Science, Social Studies, and World Languages. Regents-level courses are "college preparatory" courses at West Genesee High School.

A Regents diploma alone, however, does not guarantee admission to the college of a student's choice. In order of importance, colleges examine: strength of academic program, grades in college preparatory courses, grade point average, class rank, SAT and/or ACT scores, teacher and counselor recommendations, extra-curricular activities, success in a part time job, and community service. In more selective colleges, these factors are especially important. A challenging academic program, combined with high grade averages and extra-curricular activities, affords students many more options upon graduation from high school.

WGHS ENGLISH PROGRAM

English 9-11 Requirements:

English 9 Regents	English 9 Enriched
English 10 Regents	English 10 Enriched

English 11 Regents	English 11 Enriched	Advanced Placement Language and Composition
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Senior Requirements:

Choose ONE full year course:

American Historical Fiction
Contemporary Issues
Explorations in Literature and Writing
Introduction to Film and Film Theory
Shakespeare
Advanced Placement Literature and Composition
OCC Composition and Literature I and II

ENGLISH ELECTIVES:

Creative Writing	Journalism	Public Speaking	Technical & Report Writing
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ENGLISH

English 9 Enriched		Length:	Full Year
Course Number:	0003	Credit:	1.0
Grade Level(s):	9	Final Assessment:	Department Examination

Prerequisites: Recommendation from 8th grade English teacher. Student should be a skilled reader and writer. Students in this enriched English course must display self-motivation. They should also exhibit coherence, logical reasoning, and the ability to make sophisticated connections to literature in their writing and should be reading at or above grade level.

Description: This course gives an opportunity to explore in-depth classic and contemporary authors and their works. In addition to completing the English 9 Regents level curriculum, students are also expected to read additional independent texts and submit a variety of writing assignments, including literary analysis. Additional units also include: philosophy and other selected class novels for study.

English 9 Regents		Length:	Full Year
Course Number:	0002	Credit:	1.0
Grade Level(s):	9	Final Assessment:	Department Examination

Prerequisites: Successful completion of 8th grade English

Description: English 9R is the Regents-level course designed to give students an opportunity to explore classic and contemporary authors and their works. Students expand and refine their writing skills in compositions relating to literature and in creative stories. Writing and research skills are included in the unit centering on the research paper. Other major units in the course include short story, poetry, research, drama, and other full length works of literature.

English 10 Enriched		Length:	Full Year
Course Number:	0007	Credit:	1.0
Grade Level(s):	10	Final Assessment:	Department Examination

Prerequisites: Successful completion of 9th grade English and teacher recommendation. A student should be a skilled reader and writer. In addition, students in this enriched English course should be self-motivated learners. They should also exhibit fairly sophisticated critical analysis skills that are demonstrated in their writing.

Description: This course centers on world literature and stresses the role history, social situations, and culture play in the evolution of literature. Students will study a variety of genres, including short story, poetry, essay, drama, epic, novel, and memoir. Students will engage in both literature analysis and research-based writing throughout the course with a focus on using multiple sources of information. Students will be encouraged to be both critical thinkers and independent learners. This enriched course includes the English 10 Regents level curriculum as well as several additional works and writing assignments, both for in class study and for independent projects.

English 10 Regents		Length:	Full Year
Course Number:	0006	Credit:	1.0
Grade Level(s):	10	Final Assessment:	Department Examination

Prerequisites: Successful completion of English 9R

Description: This full-year course is a survey of world literature, including both fiction and non-fiction. In order to cultivate a global perspective, students will study historical and cultural influences that affect writing through the ages. The course stresses critical thinking and writing skills by emphasizing the composing process and a variety of other written assignments using multiple sources of information. Students will complete an inquiry-based research paper. Additional writings and the study of literary devices, vocabulary, grammar, and usage are integrated into literature units. Several full-length works as well as supplementary pieces are used.

Advanced Placement Language & Composition

Course Number: 0012

Grade Level(s): 11

Length: Full Year

Credit: 1.0

Final Assessment: AP Examination, Regents Examination, Department Examination are required.

Prerequisites: A strong 10th grade English average and teacher recommendation are required. Students who enroll in this course are required to complete reading and writing assignments during the summer preceding the course.

Description: Students study the effective use of rhetoric by reading several pieces of prose, then applying what they learn to a variety of writing assignments. Non fiction literature is emphasized. Students write in various forms - narrative, expository, analytical, argumentative - and learn to become aware of their own composing process - how they formulate ideas, develop writing strategies, and revise their work. The main purpose of this course is to enable students to read complex texts with understanding and to write prose that is rich and complex enough for mature readers. Students enrolled in this course are required to take the Advanced Placement Examination (approximately \$95). The course curriculum also prepares students for the ELA Regents Assessment, a NYS requirement, taken in the Junior year.

English 11 Enriched

Course Number: 0011

Grade Level(s): 11

Length: Full Year

Credit: 1.0

Final Assessment: Regents Examination and Department Examination

Prerequisites: Successful completion of 10th grade English and teacher recommendation. A student should be a skilled reader and writer. Students in the enriched English course must display self-motivation. They should also exhibit coherence, logical reasoning, and the ability to make sophisticated connections to literature in their writing and should be reading at or above grade level.

Description: This course analyzes American literature, requiring students to critically and independently read challenging novels, dramas, poems, short stories, and nonfiction. The course also works to enhance students' writing skills, including an in-depth research unit. In addition to the eleventh grade curriculum, preparation is continued from freshman and sophomore years for the Common Core English Regents examination, a NYS graduation requirement.

English 11 Regents

Course Number: 0010

Grade Level(s): 11

Length: Full Year

Credit: 1.0

Final Assessment: Regents Examination and Department Examination

Prerequisites: Successful completion of English 10

Description: The course concentrates on American literature, allowing students to critically read various novels, dramas, poems, and short stories. The course also works to improve students' writing skills, including a research unit. In addition to the eleventh grade curriculum, preparation is continued from freshman and sophomore years for the Common Core English Regents Examination, a NYS graduation requirement.

SENIOR ENGLISH REQUIREMENT

Seniors must satisfy their English requirement by choosing a full year course. Each full year course is designed to be both reading and writing intensive. **Prerequisites for all English 12 courses are successful completion of English 11 and teacher recommendation.**

Contemporary Issues		Length:	Full Year
Course Number:	0050	Credit:	1.0
Grade Level(s):	12	Final Assessment:	Project

Description: This course is for students who enjoy studying contemporary fiction and nonfiction as a vehicle to explore and discuss the world we live in. The literature selected for this course deals with current social issues, recent events, and diverse perspectives. Students will read assigned and self-selected texts by best-selling authors from the late 20th century to the present. They will also study media literacy in order to be responsible consumers and producers of online material. In addition to formal and informal analytical writing, students will engage in various modes of discourse, including personal narrative for the Common App Essay.

Shakespeare		Length:	Full Year
Course Number:	0036	Credit:	1.0
Grade Level(s):	12	Final Assessment:	Project and Paper

Description: This course is for those who have an interest in Shakespeare, theatre, performance, or all of the above! By studying a history, a tragedy, and a comedy over the course of the year, students will grow in their ability and confidence when it comes to reading and understanding Shakespeare's plays. Students will explore and discuss political and social issues as they relate to the plays. Students will also have opportunities to practice their acting skills, including stage combat (sword fighting!). We will also view and analyze a number of film adaptations of Shakespeare's works. In addition, students will explore writing in the various modes of discourse.

Explorations in Literature and Writing		Length:	Full Year
Course Number:	0022	Credit:	1.0
Grade Level(s):	12	Final Assessment:	Project

Description: Students in this course will engage with literature in a variety of modes while also exploring writing as a means of self-expression. Assignments are designed to promote critical evaluation of their sources, as well as improving research and analytical skills. Students will write for a variety of audiences and purposes while developing their skills through pre-writing, composition and revision techniques. Special focus is placed on personal reflection and connection to the literature, as well as self-evaluation.

Introduction to Film and Film Theory		Length:	Full Year
Course Number:	0034	Credit:	1.0
Grade Level(s):	12	Final Assessment:	Project and Paper

Description: Film Studies is the study of the production, aesthetics, and history of the 20th century's most important visual medium-the cinema. The cinema can create worlds of magic, fantasy, and romance just as easily as it can expose the reality of everyday life. Our primary interest will be in reading; however, in this class our primary "texts" will be the films we view in class. Students will study basic cinematic techniques, explore a number of genres, and read about literary theories in order to apply them to the films viewed in class. In addition, students will explore writing in the various modes of discourse. An interest in film (as a viewer or a filmmaker) is required!

SENIOR COLLEGE-LEVEL COURSES

20th Century American Historical Fiction	Length:	Full Year
Course Number: 0048	Credit:	1.0
Grade Level(s): 12	Final Assessment:	Final Exam & Portfolio

Prerequisites: Successful completion of 11th grade English, grade-level reading comprehension skills, dedication to consistent reading assignments, a willingness to participate in class discussion, and teacher recommendation.

Description: This course is designed for students who have an interest in reading and writing about literature while exploring different decades in 20th century America. Students will critically analyze many novels to deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers as well as to reflect the political atmosphere and consciousness of a specific time period. The course will include the in-depth reading of texts drawn from multiple genres to portray specific political events, movements, and more generalized concerns. In addition to formal and informal analytical writing, students will engage in various modes of discourse, including epitaph writing in the style of Spoon River Anthology, thematic writing about a contemporary issue raised in their choice book, and writing an argument essay or compare/contrast essay based on how women or different races are viewed/talked about by society as we progress through the 20th century.

Advanced Placement Literature & Composition	Length:	Full Year
Course Number: 0013	Credit:	1.0
Grade Level(s): 12	Final Assessment:	AP Examination and Portfolio

Prerequisites: A strong 11th grade English average and teacher recommendation. Students who enroll in this course are required to complete reading and writing assignments during the summer preceding the course.

Description: Students enrolled in this course engage in serious and rigorous literary study. The aim of this course is to develop students' critical faculties in reading, writing, and speaking about challenging texts in complex and sophisticated ways. To this end, students must refine a vocabulary with which they can understand, analyze, evaluate, and write about different features of literary style. Reading from all important periods of the Western tradition serves as the focus of study with an emphasis on companion texts from the 16th through 21st centuries and from a variety of genres and cultures. Students enrolled in this course are required take the Advanced Placement Examination (approximately \$95).

OCC Composition and Literature I and II	Length:	Full Year
Course Number: 0052	Credit:	1.0
Grade Level(s): 12	Final Assessment:	Final Exam & Portfolio

Prerequisites: A strong English 11 grade which reflects mastery in reading comprehension and writing skills, a willingness to actively participate in class discussion and writing workshop, and a teacher recommendation. Students must submit SAT scores to their Guidance Counselor to verify eligibility according to current OCC prerequisites. Students must successfully complete ENG 103 with a C or higher in order to remain in this course following first semester.

Description: This course develops the skills and forms necessary for writing college-level expository prose: methods for developing content; organizing information and ideas; and presenting that material to a reader clearly, concisely and coherently. Various readings may be used as a source of models and ideas. Skills such as analytic and critical reading and writing, summarizing and paraphrasing are developed through the study of literature. Term paper form will also be taught. Students have the option of registering through Onondaga Community College and, upon successful completion of each course with a grade of C or higher, earn six (6) college credits (ENG103 and ENG 104).

PLEASE NOTE: Any student who enrolls in a college-level English course: AP Language & Composition, AP Literature & Composition., or OCC Composition & Lit. I and II, without previous English teacher recommendation will be required to complete an additional reading & writing task. Instructors of the course will evaluate the work and conference with the student to discuss the level of expectation for the course and the current literacy skill level demonstrated by the student in order to assist the student in making the best educational choice.

ENGLISH ELECTIVES

Creative Writing	Journalism	Public Speaking	Technical and Report Writing
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These electives do not satisfy senior English graduation requirements. These are open to students in grades 9, 10, 11, and 12 as indicated in descriptions.

Creative Writing **Length:** One Semester
Course Number: 0047 **Credit:** 0.5
Grade Level(s): 10 - 12 **Final Assessment:** Portfolio

Prerequisites: None

Description: Students explore various structures and themes through creative writing. Approximately one-half of the course deals with the writing of fiction, and the other half deals with poetry. Students examine models of writing and discuss various techniques, such as characterization, using figurative language, etc. Much of the course is used as a writing workshop, giving the students the time and a place to create and share their work.

Journalism **Length:** One Semester
Course Number: 0049 **Credit:** 0.5
Grade Level(s): 9 - 12 **Final Assessment:** Portfolio

Prerequisites: None

Description: In Journalism, students will learn to report the facts and help our school community understand those facts. Students will explore our school community to find interesting stories and create new stories and features. Students will use blogs, social media, and multi-media for expression. Topics will include: famous journalists, ethical and legal reporting, style and structure, understanding the news, identifying facts, writing a news story or feature, photojournalism, social media and reporting, and blogging.

Public Speaking **Length:** One Semester
Course Number: 0053 **Credit:** 0.5
Grade Level(s): 9 - 12 **Final Assessment:** Presentation

Prerequisites: None

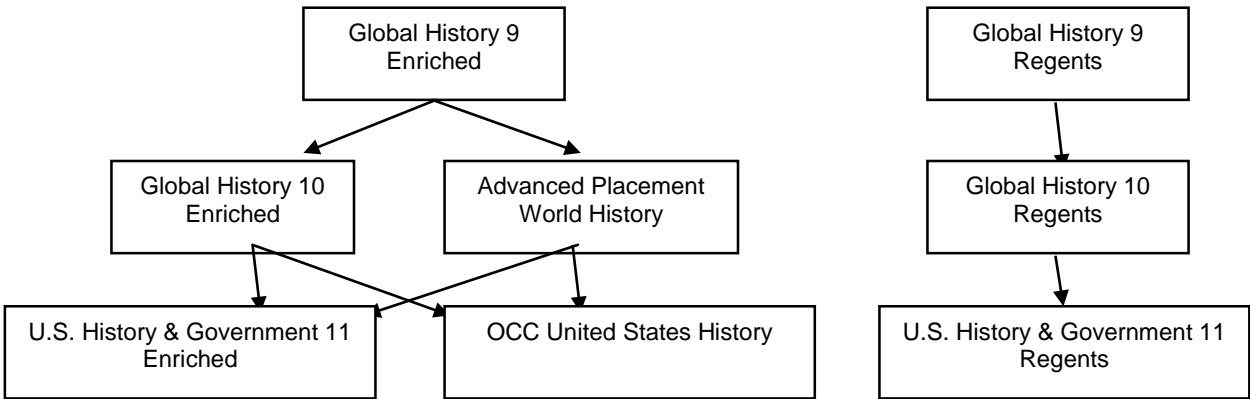
Description: This course provides students with a variety of experiences that develop basic concepts of the oral communication process. The class includes communication theory as well as speech preparation and delivery. Some of the topics addressed include: information gathering, speech organization and writing, preparation of visuals, overcoming stage fright, and improving platform manner and voice quality. The final examination will be an oral presentation.

Technical and Report Writing **Length:** One Semester
Course Number: 0045 **Credit:** 0.5
Grade Level(s): 11-12 **Final Assessment:** Formal Report and Project

Prerequisites: None

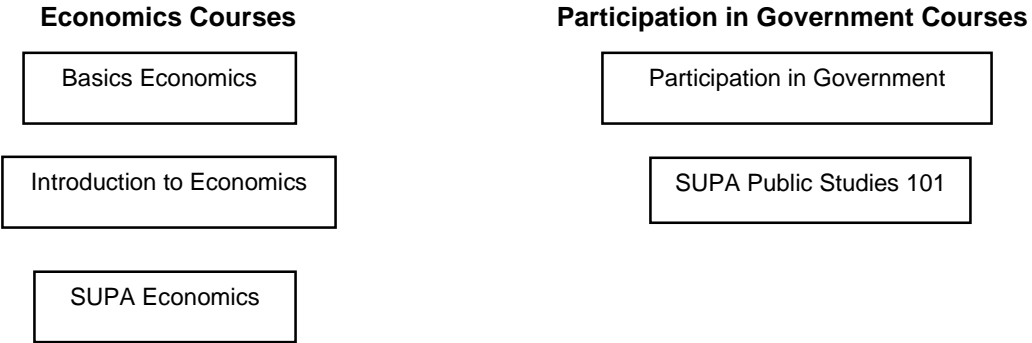
Description: This is a one-semester course designed for students planning to either attend college or go directly into the work force upon graduation. Students will be encouraged to write clear, concise prose; to tailor his/her communication skills to specified audiences; and to use effectively the forms of communication prevalent in the technical world. The course culminates in a final group project.

**WGHS
SOCIAL STUDIES PROGRAM**



SENIOR REQUIREMENTS:

Choose one from each column:



SOCIAL STUDIES ELECTIVES			
Criminal Justice	Psychology	Sociology	Social Media: NCE
SUPA Psychology	SUPA Sociology	Teaching Tolerance	The Sixties

SOCIAL STUDIES

GENERAL INFORMATION

The State of New York mandates that all students pass the Regents Examinations in both Global History (Grades 9 and 10) and United States History and Government (Grade 11) in order to obtain a diploma in New York State. A fourth year of Social Studies is required (one semester of Participatory Government and one semester of Economics) for graduation in New York State.

SOCIAL STUDIES PROGRAM OVERVIEW

REQUIRED COURSES

Global History 9 (1 year)
Global History 10 (1 year)
U.S. History & Government 11 (1 year)
Participatory Government 12 (1 semester)
Economics 12 (1 semester)

ECONOMICS COURSES

Basic Economics
Introduction to Economics
Syracuse University Project Advance Economics

SOCIAL STUDIES ELECTIVES

Criminal Justice System
Psychology
Sociology
The Sixties
Teaching Tolerance
Social Media: Navigating Current Events

PARTICIPATORY GOVERNMENT COURSES

Participation in Government
Syracuse University Project Advance –Policy Studies 101

COLLEGE CREDIT COURSES

Advanced Placement World History
OCC United States History
Syracuse University Project Advance Economics
Syracuse University Project Advance Psychology
Syracuse University Project Advance Policy Studies 101
Syracuse University Project Advance Sociology

Global History 9 Enriched		Length:	Full Year
Course Number:	0103	Credit:	1.0
Grade Level(s):	9	Final Assessment:	Department Examination

Prerequisites: Successful completion of 8th grade Social Studies with teacher recommendation. The Global History 9E course requires refined study and critical thinking skills. Students should be motivated to work independently.

Description: Students enrolled in this course are expected to participate in graded discussions, outside readings, independent research and primary source work. The enriched program emphasizes an advanced level of the Global History program. The same content is covered as in Global 9, however, discussions and resources are in greater depth and detail. The course content covers the economic, political, social and historical development of the world until 1750. This course is the first half of the two-year Global History program. The text is World History: Patterns of Interaction.

Global History 9 Regents		Length:	Full Year
Course Number:	0102	Credit:	1.0
Grade Level(s):	9	Final Assessment:	Department Examination

Prerequisites: Successful completion of 8th grade Social Studies

Description: Requires the development of reading, writing and critical thinking skills. This Regents level course in combination with Global History 10 fulfills New York State requirements. Global History is a one-year course designed for 9th graders and emphasizes the political, economic, social and historical development of the world until 1750. An understanding of world cultures and civilizations, including analysis of important ideas, social and cultural values, beliefs and traditions are studied. This course is the first half of the two-year Global History program. The text is World History: Patterns of Interaction.

Advanced Placement World History		Length:	Full Year
Course Number:	0188	Credit:	1.0
Grade Level(s):	10	Final Assessment:	AP and Regents Examination

Prerequisites: Successful completion of Global History 9 and teacher recommendation. Completion of summer assignment is required.

Description: The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. Periodization forms the organizing principle for dealing with change and continuity over time. Specific themes provide further organization, helping students to put what is particular about each period or society into a larger framework as well as to make comparisons within and among societies. This is a demanding course that is designed to address the intellectual skills that are important to success in college. Students are required to take the Advanced Placement Examination upon completion of the course; the registration for the Examination is approximately \$95. Students are also required to take the NYS Global History Regents Examination. The texts are Traditions and Encounters and Worlds of History, Volume 2. Students are expected to purchase a review book (approximately \$20).

Global History 10 Enriched
Course Number: 0107
Grade Level(s): 10

Length: Full Year
Credit: 1.0
Final Assessment: Regents Examination

Prerequisites: Successful completion of 9th grade Social Studies and teacher recommendation. The Global History 10E course requires refined study and critical thinking skills. Students should be motivated to work independently.

Description: The Enriched program emphasizes an advanced level of the Global History program. The course content exists as in the Regents course however, the material (interdisciplinary and supplemental) is designed to meet the needs of advanced students. Possession of sound study, reading, and writing, skills are essential. Emphasis is placed on critical thinking. The course is the second year of the two year Global History program and focuses on the economic, social, political and historical development of the world from 1750 until the present as well as continuing a summary unit for the two year program. The text is World History: Patterns of Interaction.

Global History 10 Regents
Course Number: 0106
Grade Level(s): 10

Length: Full Year
Credit: 1.0
Final Assessment: Regents Examination

Prerequisites: Successful completion of Global History 9

Description: The state examination must be passed in this course to obtain a NYS Regents diploma. This course requires the further development of reading, writing, and critical thinking skills. Global History (part 2) is a full year course designed for the vast majority of 10th grade students. The course emphasizes the social, economic, political and historical development of the world from 1750 until the present and contains a summary unit for the two-year program in Global History. The Regents program also stresses the continued development of reading, writing, study and critical thinking skills. The final examination for this course is the New York State Regents Examination in Global History. The text is World History: Patterns of Interaction.

OCC United States History
Course Number: 0181
Grade Level(s): 11-12

Length: Full Year
Credit: 1.0
Final Assessment: Regents Examination

Prerequisites: Successful completion of Global 10 and teacher recommendation. Completion of summer assignment may be required.

Description: The course gives students an understanding in the chronology of American history and knowledge of the major interpretative questions associated with selected themes. Early American History; A survey of early American history emphasizing political, social and intellectual trends. Students are introduced to works of major historians and to various interpretations of American history from its beginnings through the early National period and through the 19th century. 19th Century; Covering American history from the early National period through the 19th century. Students will register through OCC (HIS106 and HIS107) for six (6) college credits to be earned upon successful completion of the course. There is an option for diligent students to take the Advanced Placement Examination in May; the registration fee is approximately \$95. Students are required to take the US History and Government NYS Regents Examination to obtain credit for a NYS diploma

US History & Government 11 Enriched

Course Number: 0111

Grade Level(s): 11

Length:

Full Year

Credit:

1.0

Final Assessment:

Regents Examination

Prerequisites: Successful completion of the 10th grade Global History program and teacher recommendation. The Global History 10E course requires refined study and critical thinking skills. Students should be motivated to work independently.

Description: United States History and Government surveys 400 years of American History using a chronological approach. The course begins with a thorough and sophisticated examination of the Constitution with an emphasis on how its enduring principles have been applied in both historical and contemporary settings. The tension between liberty and security is an underlying theme. With the Constitution as a foundation, the course examines the trends, events and personalities that have made our history what it is. The instructors and students make extensive use of primary source research to focus in depth on selected topics of particular interest.

US History & Government 11 Regents

Course Number: 0110

Grade Level(s): 11

Length:

Full Year

Credit:

1.0

Final Assessment:

Regents Examination

Prerequisites: Successful completion of Global History 10

Description: The state examination must be passed in this course to obtain a NYS Regents diploma. This course requires the further development of reading, writing, and critical thinking skills. The emphasis in the Regents program is on the increased development of basic reading, writing, study and critical thinking skills as well as the course content material. The students are presented with a grounding in the basic provisions of the Constitution and how that document has guided the development of our form of government and society. The remainder of the course stresses the political, social, economic and international relations aspects of United States History since 1865.

ECONOMICS

New York State mandates a one-semester economics course. Students must pass this course to obtain a New York State diploma. To meet this requirement the Social Studies Department offers the following economics courses from which seniors choose one.

Basic Economics		Length:	One Semester
Course Number:	0120	Credit:	0.5
Grade Level(s):	12	Final Assessment:	Department Examination

Prerequisites: Teacher recommendation

Description: The topics addressed are the same as the Introduction course, but greater emphasis is placed on skill development and relating the topics to the student's needs. Text, supplemental materials and pace are geared for the ability-level of the student and a great deal of individualized instruction is included.

Introduction to Economics		Length:	One Semester
Course Number:	0122	Credit:	0.5
Grade Level(s):	12	Final Assessment:	Department Examination

Prerequisites: None

Description: This course is designed for the majority of Seniors. Economics is the study of how humans attempt to satisfy unlimited wants with very limited resources. This introductory course is designed to explain the basic principles and theories of economics and how they apply to the "real world." The course is a college preparatory course which provides a solid academic foundation for students who plan to further their education. Selected topics include: Business Organizations, the Stock Market, Money and Banking, the Federal Reserve System, unemployment, the federal budget and the national debt. A comparison between our free enterprise system and other economic systems is made.

Syracuse University Project Advance Economics		Length:	One Semester
Course Number:	0127	Credit:	0.5
Grade Level(s):	12	Final Assessment:	Department Examination

Prerequisites: None

Description: Economics is more than a "100" level introductory course in economics. Whereas most colleges (including SU) offer both a one semester "micro" and a one semester "macro" course, ECN 203 is an attempt to present, in a single semester, the complete neoclassical economic model; the model which most closely represents the American economy today. By placing both "micro" and "macro" together, the course is better able to present the logic of modern economic theory. While the course is very rigorous in terms of its reading, writing and research, it is not heavily mathematical. The result is a demanding course that promises to enable the student to not only understand modern economic theory, but to predict and explain current economic developments. Students may also register for 3 college credits. The cost of Syracuse University credit through the Project Advance Program is approximately \$115 per credit unit. If a student chooses not to take the course for Syracuse University credit, this will be reflected on his/her transcript with the designation of C.L. (College Level) rather than S.U.P.A..

PARTICIPATION IN GOVERNMENT

New York State mandates a one-semester participatory government course. Students must pass this course to obtain a New York State diploma. To meet this requirement the Social Studies Department offers the following participatory government courses from which seniors choose one.

Participation in Government	Length:	One Semester
Course Number: 0128	Credit:	0.5
Grade Level(s): 12	Final Assessment:	Paper & Presentation

Prerequisites: None

Description: This senior-level course is intended to provide students the ability to synthesize, apply and reinforce the civic knowledge, concepts, themes and dispositions of active citizenship. The course objectives include: philosophical foundations and comparative perspectives; citizenship in comparative perspective; citizenship, participation and the electoral process; legal obligations of citizenship; public policy and political participation; legal rights and responsibilities. All students are required to complete a community service project or attend public government meetings such as school board, town board etc. to be awarded course credit.

Syracuse University Project Advance - Policy Studies 101	Length:	One Semester
Course Number: 0186	Credit:	0.5
Grade Level(s): 12	Final Assessment:	Accumulated Grades

Prerequisites: None

Description: Passing this course satisfies the New York State Participation in Government requirement. Public Affairs (101) is designed by the Maxwell School at Syracuse University to introduce students to the basic skills in definition, analysis, and successful development of public policy on national, state, community, or school levels. Unlike other university courses, lecture is at a minimum - student project development comprises 90% of the course. In Public Affairs the student learns to design, evaluate, initiate, and defend policies of his/her own creation as a positive method of problem resolution. Research skills are emphasized. Students may also register for 3 college credits. The cost of Syracuse University credit through the Project Advance Program is approximately \$115 per credit unit. If a student chooses not to take the course for Syracuse University credit, this is reflected on his/her transcript with the designation of C.L. (College Level) rather than S.U.P.A.

SOCIAL STUDIES ELECTIVES

Criminal Justice System

Course Number: 0134
Grade Level(s): 10-12

Length: One Semester

Credit: 0.5

Final Assessment: Department Examination

Prerequisites: None

Description: A semester study of the legal system as it now operates on national, state, and local levels suggests how/why existing laws have been written, why these laws are sometimes broken, how crimes are defined, the system by which those suspected of crime are brought to justice, and the approaches for deterring and/or treating those who commit crime. The student works through a series of class projects in which one learns more accurate observation, presentation of logical arguments, resolution of contradictory viewpoints, and the necessity for direct involvement in the school and community.

Psychology

Course Number: 0164
Grade Level(s): 10-12

Length: One Semester

Credit: 0.5

Final Assessment: Department Examination

Prerequisites: None

Description: This psychology elective covers a wide variety of topics, issues, and concepts all dealing with the study of individual human behavior. The course of study extends from the individual's development (even before birth) through early childhood, adolescence and later life adjustments. Numerous aspects of behavior are explained and discussed including: criminal behavior, intelligence, emotions, punishment, sleep and dreams, altered states of consciousness, depression and personality disorders. Strategies concerning therapy, counseling and adjustment are also discussed. Class activities include: textbook readings, newspaper and magazine article analysis, video tapes, and student discussions.

Sociology

Course Number: 0160
Grade Level(s): 10-12

Length: One Semester

Credit: 0.5

Final Assessment: Dept. Assessment

Prerequisites: None

Description: Sociology is about people. How people act, interact, and live their lives every day is explored through readings, video analysis, surveys and thought-provoking discussions. Students predict and explain several social conditions such as: "Why do people act differently? Why do people deviate? How do others influence what we wear, eat, like or dislike? How much is due to race, class, gender?" The course includes 8 major units concerned with different aspects of group and individual behavior. This course incorporates the textbook, article readings, activities and projects.

The Sixties

Course Number: 0162
Grade Level(s): 12

Length: One Semester

Credit: 0.5

Final Assessment: Project

Prerequisites: None

Description: This course is geared for students who enjoy American History, and who would enjoy spending an entire semester examining one very significant slice of that history. In his 1961 inauguration speech, newly elected President Kennedy observed, "The torch has been passed to a new generation." The decade of the sixties marked a turning point in our history where the very foundations of our society were shaken and altered dramatically and irrevocably. This course examines all aspects of the era: music, literature, politics, war, and popular culture, along with the exciting personalities who made the decade so unique in American History. Independent research which focuses on primary sources is emphasized.

Teaching Tolerance
Course Number: 0166
Grade Level(s): 10-12

Length: One Semester
Credit: 0.5
Final Assessment: Dept. Assessment

Prerequisites: None

Description: Throughout our history various groups have faced intolerance, prejudice, and discrimination. The purpose of this course is to examine the experience of such groups in America. "What causes intolerance? What forms does it take?" At various times, religious, ethnic and gender-based groups and many others have faced hostility and intolerance from their fellow Americans. By using the case-study approach the course tells the exciting, frightening story of intolerance in America. Students select the topics to be focused on during the semester. There are opportunities for independent research.

Social Media: Navigating Current Events
Course Number: 0167
Grade Level(s): 10-12

Length: One Semester
Credit: 0.5
Final Assessment: Module/Project-Based

Prerequisites: None

Description: This semester-long course will enlighten students to the varied nature of how we consume current events today. Students will explore the types and purposes of different publication outlets and what is produced. The class will learn about the importance of journalism and a free press, as well as the average citizen's role as watchdog of civil liberties and honest reporting. Students will also be exposed to branded content and learn about how their use of technology is being guided by algorithms and advertising dollars to reduce the type and content of information they are exposed to and will be educated on how best to balance their information diets and break out of closed content filter bubbles.

OTHER COLLEGE CREDIT ELECTIVES

Syracuse University Project Advance - Economics

Course Number: 0127

Grade Level(s): 12

Length: One Semester

Credit: 0.5

Final Assessment: Department Examination

Prerequisites: None

Previously described on page 22.

Syracuse University Project Advance - Psychology

Course Number: 0183

Grade Level(s): 12, 11 with teacher recommendation

Length: One Semester

Credit: 0.5

Final Assessment: Accumulated Grades

Prerequisites: Strong reading and independent study skills are required.

Description: This is an introductory course in psychology from Syracuse University called, *Foundations of Human Behavior 205* and offers 3 credit hours from Syracuse University, as well as 1/2 credit toward West Genesee High School graduation upon successful completion. The cost of Syracuse University credit through the Project Advance Program is approximately \$112 per credit hour. If a student chooses not to take the course for Syracuse University credit, this is reflected on his/her transcript with the designation of C.L. (College Level) rather than S.U.P.A. Syracuse University determines the textbook.

Syracuse University Project Advance - Policy Studies 101

Course Number: 0186

Grade Level(s): 12

Length: One Semester

Credit: 0.5

Final Assessment: Accumulated Grades

Prerequisites: None

Previously described on page 23.

Syracuse University Project Advance - Sociology

Course Number: 0182

Grade Level(s): 12, 11 with teacher recommendation

Length: One Semester

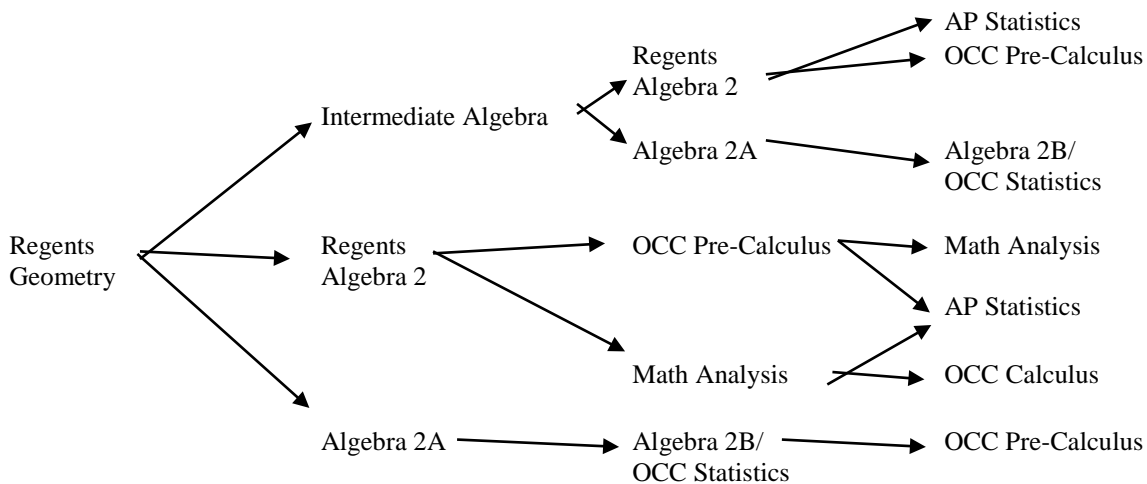
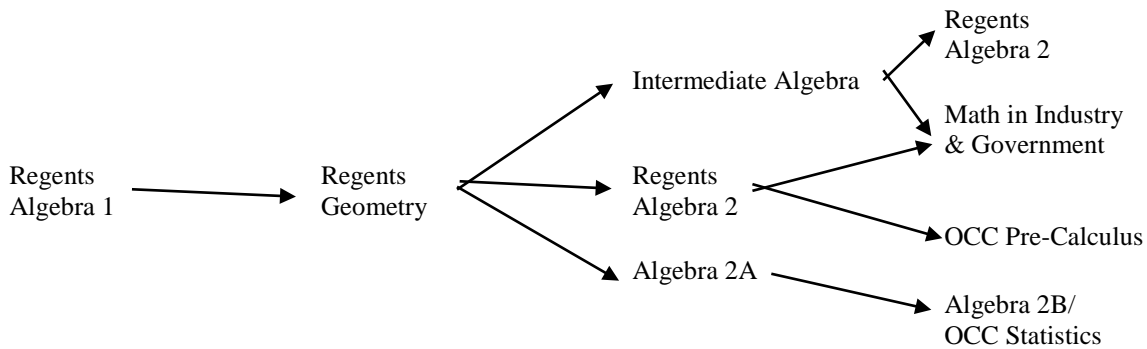
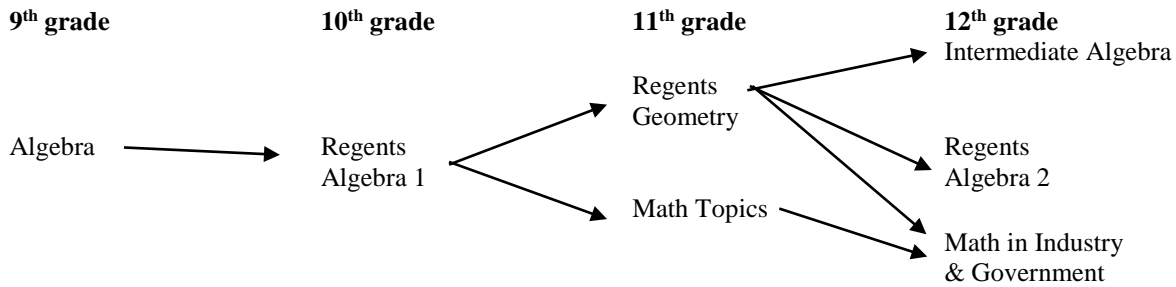
Credit: 0.5

Final Assessment: Accumulated Grades

Prerequisites: Strong reading and independent study skills are required.

Description: Sociology 101 introduces students to topics that social scientists are currently researching. The major emphasis is to examine the process by which both the SELF and the SOCIAL WORLD are constructed. Class participation is imperative. Students receive 3 college credit hours from Syracuse University upon successful completion of the course. The cost of Syracuse University credit through the Project Advance Program is approximately \$112 per credit hour. If a student chooses not to take the course for Syracuse University credit, this is reflected on his/her transcript with the designation of C.L. (College Level) rather than S.U.P.A.

**WGHS
Mathematics Program**



Note: Depending on the course a student may be expected to purchase a review book for the purposes of summative examination preparation (approximately \$5.00).

Algebra		Length:	Full Year
Course Number:	0211	Credit:	1.0
Grade Level(s):	9	Final Assessment:	Department Examination

Prerequisites: Teacher recommendation

Description: The Algebra 1 core curriculum is the framework for developing this course. It is the first year of a two-year program, culminating with the Algebra 1 Regents. The algebra content strand will be explored in depth using a broad array of teaching strategies to develop a higher-level of critical thinking skills. The Transition to Algebra program by Mark, Goldenberg, Fries, Kang and Cordner is used.

Algebra 1		Length:	Full Year
Course Number:	0213	Credit:	1.0
Grade Level(s):	9-12	Final Assessment:	June Regents

Prerequisites: Successful completion of 8th grade mathematics or Algebra

Description: This curriculum is based on the New York State Common Core Learning Standards for Algebra 1. The content of the course includes algebra as it pertains to: the Relationships between Quantities and Reasoning with Equations, Descriptive Statistics, Linear and Exponential Relationships, Expressions and Equations, and Quadratic Functions. Curriculum materials are based on the NYS Modules for Algebra 1. It is recommended that students purchase a graphing calculator for use at home (the TI-84 is preferred, approximately \$95).

Geometry		Length:	Full Year
Course Number:	0226	Credit:	1.0
Grade Level(s):	10-12	Final Assessment:	June Regents

Prerequisites: Successful completion of Algebra 1

Description: This course is intended to lead students to an understanding that reasoning and proof are fundamental aspects of mathematics. The course employs an integrated approach to the study of geometric relationships. Integrating synthetic, transformational, and coordinate approaches to geometry, students will justify geometric relationships and properties of geometric figures. Congruence and similarity of triangles, transformations, coordinate geometry, properties of triangles, quadrilaterals and circles will be studied. Students will use the traditional tools of compass and straightedge as well as dynamic geometry software. Curriculum materials are based on the NYS Modules for Geometry. It is recommended that students purchase a graphing calculator for use at home (the TI-84 is preferred, approximately \$95).

Math Topics		Length:	Full Year
Course Number:	0237	Credit:	1.0
Grade Level(s):	12	Final Assessment:	Department Examination

Prerequisites: Geometry and/or department approval

Description: This course is designed as an alternate third credit for students who cannot study at the depth and pace required for Algebra 2. The course emphasis is placed on preparation for college math and teaching students the applications of mathematical skill as they relate to personal finance. This course benefits all college-bound students regardless of their mathematical intentions for the future.

The textbook is Financial Algebra by Gerver & Sgroi.

Math in Industry and Government**Course Number:** 0239**Grade Level(s):** 12**Length:**

Full Year

Credit:

1.0

Final Assessment:

Department Examination

Prerequisites: Successful completion of Geometry or Math Topics. Teacher recommendation is required.**Description:** The content of this course will include applications of mathematics in a variety of career settings. Topics of study will include mathematical modeling, routing and networking, coding and statistics. Career strands will come from the fields of engineering and technology, healthcare, transportation, government and construction. The course material will come from a variety of sources including textbooks and online resources. The course will include guest speakers from the fields of study covered in the course. The course will provide an opportunity to examine the roles of mathematics outside academia, characterize the working environments of non-academic mathematicians, and summarize the math-based skills needed for career success.**Intermediate Algebra****Course Number:** 0235**Grade Level(s):** 11-12**Length:**

Full Year

Credit:

1.0

Final Assessment:

Department Examination

Prerequisites: Successful completion of Geometry and teacher recommendation**Description:** This course is designed as an alternate credit for students who have completed Geometry, are planning to attend college and pursue a two or four year degree in a non-STEM major. The course content will be selected topics from Algebra 2 and contemporary mathematics that are addressed on the Accuplacer College Placement Exam and by typical introductory college mathematics courses. Units will include rational expressions and equations, radical expressions and equations, absolute value equations and inequalities, geometric concepts, systems of equations, and matrices and applications such as circuit, networks, scheduling, probability, voting and number theory. A combination of textbooks, as well as teacher prepared material is used. It is recommended that students purchase a graphing calculator for use at home (the TI-84 is preferred, approximately \$95).**Algebra 2****Course Number:** 0236**Grade Level(s):** 10-12**Length:**

Full Year

Credit:

1.0

Final Assessment:

June Regents

Prerequisites: Successful completion of Geometry**Description:** Within this course, the number system will be extended to include imaginary and complex numbers. Functions to be studied include: polynomial, absolute value, radical, trigonometric, exponential, and logarithmic. Topics include direct and indirect variation, systems of equations, data analysis, correlation coefficients, arithmetic and geometric sequences, binomial experiments, probability, and normal distribution. Right triangle trigonometry will be expanded to include investigation of circular functions. Situations requiring the use of trigonometric equations and identities will also be investigated. Curriculum materials are based on the NYS Modules for Algebra 2. It is recommended that students purchase a graphing calculator for use at home (the TI-84 is preferred, approximately \$95).**Algebra 2 A****Course Number:** 0230**Grade Level(s):** 10-12**Length:**

Full Year

Credit:

1.0

Final Assessment:

Department Examination

Prerequisites: Successful completion of Geometry and teacher recommendation**Description:** The syllabus is departmentally prepared. The content of this course will include the study of functions, including: polynomial, absolute value, radical, trigonometric, exponential, and logarithmic. Additional topics include direct and indirect variation, systems of equations, and arithmetic and geometric sequences. This is the first year of a two-year program culminating with the Algebra 2 Regents in January of the second year followed by a semester of college statistics. Curriculum materials are based on the NYS Modules for Algebra 2. It is recommended that students purchase a graphing calculator for use at home (the TI-84 is preferred, approximately \$95).

Algebra 2 B and OCC Statistics

Course Number: 0231 – Algebra 2 B
Course Number: 0232 – OCC Statistics
Grade Level(s): 11-12

Length: Full Year**Credit:** 0.5**Credit:** 0.5**Final Assessment:** January Regents and June Department Examination**Prerequisites:** Successful completion of Algebra 2 A

Description: This is the second year of a two-year program. Students will sit for the Algebra 2 Regents examination in January and at the end of the 1st semester will earn a final average for this portion of the course. Students who successfully complete Algebra 2 B will continue with OCC Statistics for the 2nd semester. They will have the option of registering with OCC for 3 college credits (MAT 118). Students must earn a 70% or higher to receive college credit. There are no registration fees. The syllabus for Algebra 2 B is departmentally prepared. Curriculum materials are based on the NYS Modules for Algebra 2. The OCC Statistics portion follows the MAT 118 (3cr.) curriculum and satisfies the math requirement for a non-math or non-science major at OCC. Topics include: random sampling, graphing, measures of central tendency and dispersion, normal distribution, standard scores, two-way tables, probability, correlation and regression. The textbook is Essential Statistics, 2nd edition by Moore, Notz and Fligner. It is recommended that students purchase a graphing calculator for use at home (the TI-84 is preferred, approximately \$95).

OCC Pre-Calculus

Course Number: 0255
Grade Level(s): 11-12

Length: Full Year**Credit:** 1.0**Final Assessment:** Department Examination**Prerequisites:** Successful completion of Algebra2

Description: This course is designed for students who do not intend to major in math or science at the college level. The content includes the study of: concepts of algebra, functions, graphing of functions/relations, transformations, trigonometry, and related analytical geometry. Students have the option of taking the course through OCC (MAT143) for college credit. This is a 4-credit course. Students must earn a final average of 70% or higher to receive college credit. The textbook is Precalculus Graphs and Models, 3rd edition by Bittinger, Beecher, Ellenbogen and Penna. It is recommended that students purchase a graphing calculator for use at home (the TI-84 is preferred, approximately \$95).

Mathematical Analysis

Course Number: 0256
Grade Level(s): 11-12

Length: Full Year**Credit:** 1.0**Final Assessment:** Department Examination**Prerequisites:** Successful completion of Algebra2/Trigonometry

Description: This course serves as preparation for OCC Calculus and is a weighted course. It is recommended for students who plan to have a college major in mathematics or science-related field. Topics covered include: advanced trigonometry, functions, conics, matrices, sequences and series, polar coordinates, analytic geometry, and limits. The textbook is Advanced Mathematical Concepts by Holliday, Cuevas, McClure, Carter, and Marks. It is recommended that students purchase a graphing calculator for use at home (the TI-84 is preferred, approximately \$95).

OCC Calculus		Length:	Full Year
Course Number:	0252	Credit:	1.0
Grade Level(s):	12	Final Assessment:	Department Examination

Prerequisites: Successful completion of Mathematical Analysis and/or department approval. Completion of summer assignment may be required.

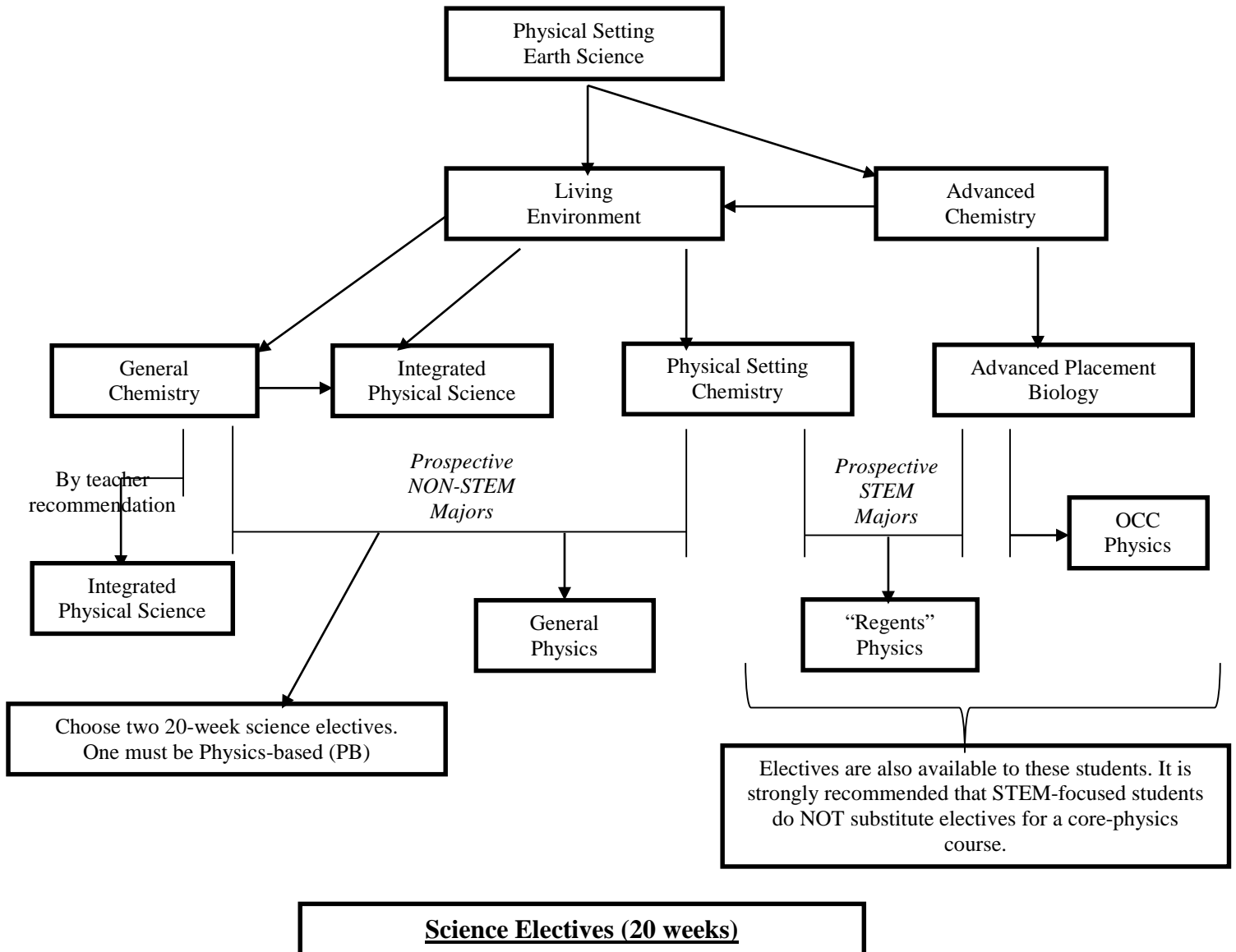
Description: The purpose of OCC Calculus is developing the student's understanding of the concepts of Calculus and providing experience with its models and applications. The course emphasizes a multi-representational approach to Calculus, with concepts, results, and problems being expressed geometrically, numerically, analytically, and verbally. Through the use of the unifying themes of derivatives, integrals, limits, approximation, and applications and modeling, the course becomes a cohesive whole rather than a collection of unrelated topics. Students have the option of registering through Onondaga Community College and, upon successful completion of the course, earn four (4) college credits (MAT161). Students must earn a final average of 70% or higher to receive credit. There is the option for diligent students to take the Advanced Placement Examination in May; the registration fee is approximately \$95. The textbook is Calculus of a Single Variable, 9th edition, by Larson and Edwards. It is recommended that students purchase a graphing calculator for use at home (the TI-84 is preferred, approximately \$95).

Advanced Placement Statistics		Length:	Full Year
Course Number:	0245	Credit:	1.0
Grade Level(s):	11-12	Final Assessment:	AP Examination and Department Examination

Prerequisites: Successful completion of Algebra 2, department approval, co-seat with Math Analysis or Pre-Calculus and intent to pursue Calculus as a senior. Completion of summer assignment required.

Description: The purpose of the Advanced Placement course in Statistics is to introduce students to the major concepts and the tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to the broad conceptual themes of: exploring data, planning a study, anticipating patterns, and statistical inference. Students are required to take the Advanced Placement Examination upon completion of the course; the registration for the Examination is approximately \$95. The textbook is The Practice of Statistics, 6th edition, by Starnes & Tabor. It is recommended that students purchase a graphing calculator for use at home (the TI-84 is preferred, approximately \$95).

WGHS SCIENCE PROGRAM



Physics of Flight (PB)
Sports Physics (PB)
Astronomy (PB)

Robotics/Engineering
Chemistry and Physics of Cooking (PB)
Forensics

Anatomy
Meteorology
Global Environment – SUNY ESF*
*Full-year course

Note: Depending on the course, a student may be expected to purchase a review book for the purposes of summative examination preparation (approximately \$11.00).

SCIENCE

CORE PROGRAM

The minimum science requirement for graduation is three units of science including The Living Environment and one Physical Setting Regents level course (Earth Science, Chemistry or Physics). Students must pass one Regents examination for a Regents Diploma and two Regents examinations for an Advanced Regents Diploma.

The core Science Program in Science is at the Regents level. With the current emphasis on science and technology in society, students are encouraged to complete at least four units of Regents level science representing Earth Science, The Living Environment (Biology), Chemistry and Physics.

ADVANCED SCIENCE COURSES

The Advanced Science Program is an enriched program for those academically motivated and talented students who are interested in attending a competitive college or university, or those students who intend to pursue a career in a science-related field. These courses are designed to provide students with a variety of opportunities to further develop their scientific understanding and investigate topics relating to future career endeavors.

<u>Area of Career Interest</u>	<u>Recommended Courses</u>
Health Related	Advanced Chemistry AS Anatomy/ Physiology Advanced Placement Biology
Environmental Science	Advanced Chemistry ESF: The Global Environment Advanced Placement Biology
Engineering	Astronomy AS Robotics: Engineering Science OCC Physics
Meteorology	Meteorology Advanced Placement Physics
Aviation, Military	Meteorology Advanced Placement Physics
Broadcast Journalism	Meteorology
Criminal Justice/Law Enforcement	Forensic Science

Physical Setting Earth Science
Course Number: 0302
Grade Level(s): 9

Length: Full Year
Credit: 1.0
Final Assessment: Regents Examination

Prerequisites: Successful completion of 8th grade science

Description: The course follows the New York State learning standards. Some of the included topics are: scientific method, rocks & minerals, plate tectonics, weathering & erosion, Earth history, meteorology and astronomy. The class meets 6-7 periods a week and a minimum of 1200 minutes of laboratory exercises with satisfactory written records is required. The textbook is Earth Science, by Prentice Hall. Students are expected to purchase the review book (approximately \$12).

Advanced Placement Biology
Course Number: 0370
Grade Level(s): 11-12

Length: Full Year
Credit: 1.0
Final Assessment: AP Examination and
Regents Examination

Prerequisites: Students must have passed Advanced Chemistry or Physical Setting Chemistry with an overall suggested average of 85 or higher. Advanced Placement Biology may not substitute for a full-year core course in Physics. Students should be able to read at a college-level and have previously demonstrated effective science laboratory skills. Acceptance into the course requires parental and departmental approval. Completion of summer assignment required.

Description: Course content follows the curriculum recommended by the Advanced Placement Biology Framework. This framework is consistent with an introductory college biology course for majors. Four Big Ideas comprise the AP Biology Framework, they include: Evolution, Energy Conversions, Genetics and Information Transfer and Ecological Interactions. The class meets every day with an additional laboratory period every fourth day. The e-textbook is *Campbell: Biology in Focus* by Urry. Students are also expected to have a copy of the review book, *AP Biology, Cliffs Notes* by Phillip Pack, 4th Edition. The review book can be either a new or used version and should be purchased either online or at a local book store for approximately \$15. All students are expected to take the AP Biology Exam which has a fee of \$95 or higher. Students also take the Living Environment Regents Exam to fulfill part of their science graduation requirement.

The Living Environment
Course Number: 0307
Grade Level(s): 10

Length: Full Year
Credit: 1.0
Final Assessment: Regents Examination

Prerequisites: Successful completion of Physical Setting Earth Science. Students should have completed or be enrolled in at least Algebra and have average reading skills.

Description: This course follows the New York State learning standards for The Living Environment course. It is designed to provide a broad general understanding of the fundamental principles of Biology and their applications. The topics included are: biologic molecules, the structure and function of cells, plants and animals, genetics, evolution, human anatomy and environmental science. The class meets 6-7 periods a week and a minimum of 1200 minutes of laboratory exercises with satisfactory written records is required. All students are required to take the Regents Examination. A review workbook, purchased by the student is a requirement of this course. The textbook is Biology, Principles and Explorations by Holt, Rinehart & Winston. Students are expected to purchase a review book (approximately \$11).

Advanced Chemistry		Length:	Full Year
Course Number:	0314	Credit:	1.0
Grade Level(s):	10	Final Assessment:	Regents Examination

Prerequisites: The student must have successfully completed Physical Setting Earth Science with a minimum grade of 85% and be concurrently enrolled in Geometry or a higher level mathematics course. Acceptance into the course requires parental and departmental approval.

Description: Advanced Chemistry includes the curriculum mandated by the Regents Chemistry syllabus. Advanced Chemistry has an enriched content and offers more in-depth, research-based laboratory experiences stressing the process of scientific method and inquiry. This course offers a rigorous level of study and prepares students for college-level Advanced Placement science classes. The class meets 6-7 periods a week and a minimum of 1200 minutes of laboratory exercises with satisfactory written records is required. The textbook is Chemistry, by Addison-Wesley, 5th edition. Students are expected to purchase a review book (approximately \$11).

Physical Setting Chemistry		Length:	Full Year
Course Number:	0313	Credit:	1.0
Grade Level(s):	11	Final Assessment:	Regents Examination

Prerequisites: Successful completion of Living Environment as well as a minimum score of 65 on the Earth Science Regents examination. Student should also have completed or be currently enrolled in Geometry.

Description: This course follows the New York State learning standards. The areas covered are: matter and energy, atomic structure, bonding, the periodic table, kinematics and equilibrium, acid-base theories, organic chemistry, electro-chemistry, and the principles of chemical reaction. The class meets 6-7 periods a week and a minimum of 1200 minutes of laboratory exercises with satisfactory written records is required. All students take the Regents examination in June. A review workbook, purchased by the student, is a requirement of this course (approximately \$11). The textbook is Chemistry, by Addison-Wesley, 5th edition.

General Chemistry		Length:	Full Year
Course Number:	0312	Credit:	1.0
Grade Level(s):	11	Final Assessment:	Department Examination and Portfolio

Prerequisites: Enrollment in this course is contingent upon teacher recommendation, successful completion of The Living Environment course and completion or current enrollment in Algebra.

Description: General Chemistry is a course that emphasizes the important concepts and applications of chemistry. Topics studied include: properties of substances, structure of the atom, the reactions of compounds, organic chemistry, nuclear chemistry, and the periodic table. The class meets 5 periods a week and a minimum of 1200 minutes of laboratory experience with satisfactory written records is required. The textbook is Chemistry, by Addison-Wesley, 4th edition.

Integrated Physical Science		Length:	Full Year
Course Number:	0315	Credit:	1.0
Grade Level(s):	12	Final Assessment:	Department Examination Projects and Portfolios

Prerequisites: Teacher recommendation is required with successful completion of 2 years of science and one passed Regents Examination in Science

Description: The topics in the course include: the environment, home and health issues, technology in science, and energy. Each topic will investigate relevant history, local points of interest, career exploration, and current events. The textbook is Physical Science by Hewitt.

OCC Physics		Length:	Full Year
Course Number:	0320	Credit:	1.0
Grade Level(s):	12	Final Assessment:	OCC Examination and Regents Examination

Prerequisites: Students must have completed Physical Setting Chemistry or Advanced Placement Biology in their junior year. Students must have passed Trigonometry and be enrolled in Pre-calculus or Calculus. Students must be able to read at a college level and have previously demonstrated effective science laboratory skills. Acceptance into the course requires parent and departmental approval. Students are required to take both OCC semester examinations (fall and spring) and are strongly encouraged to take the Advanced Placement examination in Physics I (May). The registration fee for the AP exam is approximately \$95. The textbook is College Physics by Serway, Vuille and Faughn. A fee for the Darien Lake field trip in the spring is approximately \$55.

Description: This course is taught as a full year course, broken into two semesters of instruction to mirror the OCC curriculum.

PHY 103 (fall semester): The first semester of a basic, non-calculus Physics course emphasizes fundamental concepts and principles with a problem-solving approach. Topics covered in the fall include kinematics and dynamics, Newton's Laws, work and energy, momentum, rotational motion, heat, and thermodynamics.

PHY 104 (spring semester): A continuation of the fall, topics covered include vibrations and wave motion, physical and geometric optics, electricity and magnetism, AC and DC circuits, and modern physics.

Physics		Length:	Full Year
Course Number:	0317	Credit:	1.0
Grade Level(s):	12	Final Assessment:	Local Final required Regents Examination strongly recommended

Prerequisites: This course is open to all students who have passed Physical Setting Chemistry and are enrolled in Trigonometry or have passed Trigonometry. Students intending to pursue a 4-year college degree are strongly encouraged to enroll.

Description: This course follows the New York State learning standards. This course presents a modern view of physics with emphasis on: the fundamental concepts underlying mechanics, waves, electricity and magnetism, energy, and modern physics. Students may study motion in a plane, nuclear energy, and electromagnetic applications. A minimum of 1200 minutes of laboratory experience with satisfactory written records is required. The class meets 6-7 periods a week. All students take a local final examination in June and are strongly encouraged to also take the Regents examination. A review workbook, purchased by the student is a requirement of this course. The textbook is Physics: Principles & Problems, by Glencoe McGraw-Hill. Students are expected to purchase a review book (approximately \$11).

General Physics		Length:	Full Year
Course Number:	0316	Credit:	1.0
Grade Level(s):	12	Final Assessment:	Department Examination, Projects and Portfolios

Prerequisites: Successful completion of The Living Environment and enrollment in or passed Geometry or Pre-Trigonometry. It is also recommended that the student has successfully completed Chemistry.

Description: This course is designed for non-science majors who wish to learn more about the scientific aspects of the world in which we live. The content of the course includes: mechanics, light, sound, electricity, electromagnetism, and atomic and nuclear physics. The course is designed around everyday events and approximately 1/4 of class time is spent "doing" physics in laboratory activities. The goals are to increase the ability and willingness to challenge beliefs and opinions based on new evidence, to develop critical thinking skills, and to develop an appreciation for the scientific method. A minimum of 1200 minutes of laboratory experience with satisfactory written records is required. The class meets 5 periods a week. The textbook is Conceptual Physics, by Addison Wesley.

ADVANCED SCIENCE ELECTIVES

Requirements: These courses are selectively open to qualified Sophomores, Juniors, and Seniors.

A discovery method approach is used with students performing problem solving exercises and experiments to develop their understanding. All courses are taught on the advanced-level and evaluations may include comprehensive exams and research papers. All advanced electives meet 5 periods a week.

AS-Anatomy/Physiology	Length:	One Semester
Course Number: 0323	Credit:	0.5
Grade Level(s): 11-12	Final Assessment:	Department Examination and Project

Prerequisites: Student must have passed The Living Environment (mastery of this course is recommended). Students should also have demonstrated exemplary lab skills in Biology with above average written lab reports. This elective does not substitute for the core courses in Earth Science, Biology, Chemistry, and Physics.

Description: This course examines the structure and functions of the human body. Students investigate how the body performs and regulates specific processes. Attention is also given to diseases (treatment, cause, and prevention). Laboratory time includes dissections of various animals and applicable anatomical comparison.

SUNY ESF-The Global Environment	Length:	Full Year
Course Number: 0324	Credit:	1.0
Grade Level(s): 10-12	Final Assessment:	Department Examination and Project

Prerequisites: Students must have passed two Science Regents examinations.

Description: The Global Environment will help students gain the knowledge and tools to make informed decisions regarding their environment and the earth's future. This course integrates issues of pollution, deforestation, climate change, and soil depletion with economics, evolution, history, and social justice. We will look at local and global issues as functioning systems in evaluating problems and potential solutions. The critical role of energy will be woven throughout each of the units as a key factor in the environmental challenges we face. The systems approach of The Global Environment makes it a unique and exciting course which is relevant to effective world citizenship. Students taking the course may, upon successful completion, earn three (3) college credits from SUNY ESF (EFB120). The cost is \$200.

Chemistry and Physics of Cooking	Length:	One Semester
Course Number: 0330	Credit:	0.5
Grade Level(s): 11-12	Final Assessment:	Dept. Exam and/or Project

Prerequisites: Students must have successfully completed two (2) Regents examinations in Science.

Description: This course is designed to teach physical science concepts as they are related to cooking. Food will be used to explain underlying chemistry and physics principles. Throughout the course, students will use recipes from a variety of sources (home, online research, original creations) as the basis for experimental design and data collection. Various aspects of the cooking process (ingredients, proportions, temperature, cooking time, etc.) will be the variables used to assess successful or unsuccessful application of these scientific principles.

Sports Physics
Course Number: 0331
Grade Level(s): 11-12
Length: One Semester
Credit: 0.5
Final Assessment: Dept. Exam and/or Project

Prerequisites: Students must have successfully completed two (2) Regents examinations in Science.

Description: This course will study applied examples of the principles of Physics which are associated with a variety of sporting activities. These range from, but are not limited to, golf, baseball, bowling and curling. Students will also have the opportunity to investigate a different sport or activity that they are interested in.

Physics of Flight
Course Number: 0332
Grade Level(s): 11-12
Length: One Semester
Credit: 0.5
Final Assessment: Dept. Exam and/or Project

Prerequisites: Students must have successfully completed two (2) Regents examinations in Science.

Description: This course will examine all aspects of flight. Beginning with the history of flight, we will explore the mechanics of flight and how scientific and technological advancements have taken us from flying balloons and airplanes to rockets and drones. We will also explore career opportunities related to flight.

AS-Robotics: Engineering Science
Course Number: 0342
Grade Level(s): 11-12
Length: One Semester
Credit: 0.5
Final Assessment: Project

Prerequisites: Students should have successfully completed Regents examinations in Earth Science and Living Environment.

Description: This class challenges students to work through the key steps of Engineering Design as a means for problem-solving using equipment from Vex Robotics. Students will be asked to design, assemble, program and operate a robot for specific task completion and competition. The class will work in teams and continually work to modify and improve their robots for the best possible performance. Students will also be asked to complete some research on applied robotics which are currently being developed or used in industry.

AS-Forensic Science
Course Number: 0343
Grade Level(s): 11-12
Length: One Semester
Credit: 0.5
Final Assessment: Department Examination and Project

Prerequisites: Student must have successfully completed Regents or Advanced Chemistry.

Description: Forensics will explore the science behind criminal investigation and how it relates to criminal law. Students will apply information acquired in chemistry and enrich their knowledge with additional lab experiences. Topics may include Crime Scene Evidence, Organic and Inorganic Evidence Analysis, Microscope Investigators, Toxicology, and Serology.

AS-Meteorology and Astronomy will be offered on an alternating basis according to the following schedule:

**AS-Meteorology 2017-2018
OCC-Astronomy 2018-2019
AS-Meteorology 2019-2020
OCC-Astronomy 2020-2021**

AS-Meteorology		Length:	One Semester
Course Number:	0340	Credit:	0.5
Grade Level(s):	10-12	Final Assessment:	Department Examination

Prerequisites: Students should have successfully completed Physical Setting Earth Science and Algebra. Students should also have demonstrated effective laboratory skills with satisfactory written records in Physical Setting Earth Science.

Description: Meteorology gives students an opportunity to study the dynamics of our atmosphere and have a better understanding of what creates our daily weather and varied climates. Students gain a better understanding of how weather data is collected and how weather forecasts are made.

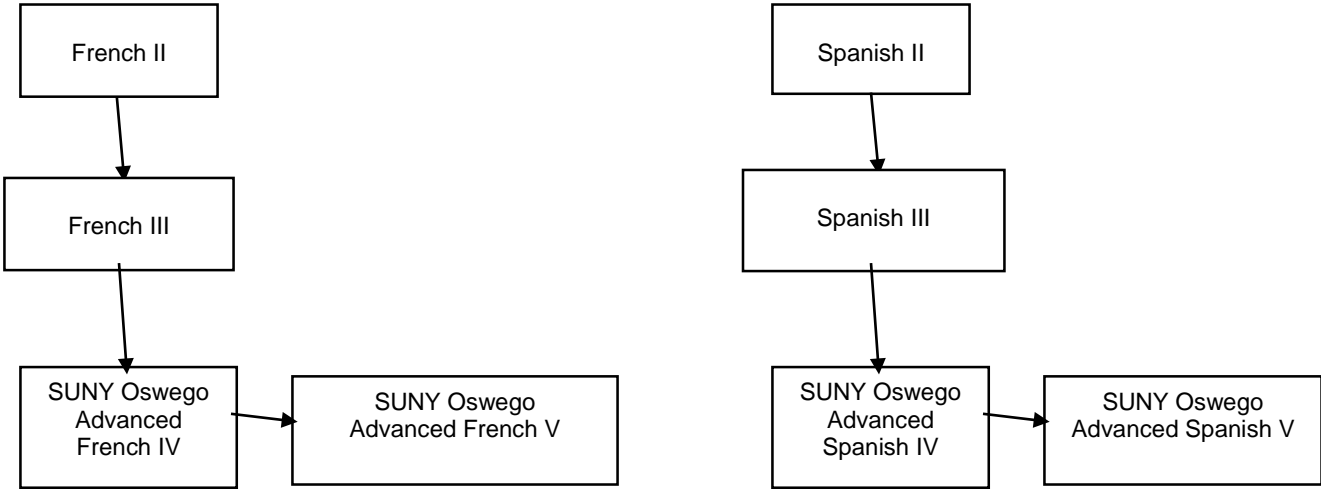
Astronomy		Length:	One Semester
Course Number:	0341	Credit:	0.5
Grade Level(s):	11-12	Final Assessment:	Department Examination

Prerequisites: Students should have successfully completed Regents examinations in Earth Science and Living Environment.

Description: Physics is applied to the laws of motion of celestial bodies like the moon, planets, and comets. Students also study the question of the expanding universe and the dynamics of stars. Topics of discussion include: black holes, neutron stars, and our solar system. Students also study the history of flight from Kittyhawk to Challenger. Special problems of space travel may also be discussed and there is ample opportunity to discuss careers in aerospace science and future developments in the field. Students MAY have the option of taking the course (SCI103) for college credit from OCC. The cost is approximately \$50 per credit hour.

**WGHS
WORLD LANGUAGES
PROGRAM**

Students start their language experience at the Middle School level and, upon successful completion, earn a credit for either French I or Spanish I.



***French I and Spanish I are available, depending on enrollment, for those students who need to complete the requirement for Checkpoint A or those students who are new to the district with no language background.**

World Languages

In the changing and challenging world of today, speaking a World Language is an important and necessary skill. Our students are given every opportunity to become proficient speakers and have opportunities to enhance this skill when they continue with the advanced courses.

We encourage our students to take full advantage of all our World Language course offerings. Students with a strong background in World Language are encouraged to take advantage of the opportunity to enroll in another World Language course. Our program advances those students who are successful, motivated and willing to continue.

Since a language reflects the culture of a people, our students have the added benefit of deepening their knowledge of the historical, economical, and political background of other countries.

French I		Length:	Full Year
Course Number:	0401	Credit:	1.0
		Final Assessment:	Department Examination

Grade Level(s): Those who need to complete requirements for Checkpoint A or those new to the district with no language background

Prerequisites: None

Description: This is a course that is designed to meet the needs of students needing to complete Checkpoint A in order to gain 1 credit of World Languages for graduation requirements. It is the equivalent of 1A and 1B and is completed in one year. Students work with Checkpoint A topics such as going to the market/shopping center, vacations and Francophone countries and customs. The focus in French I is the acquisition of speaking skills while reading, writing and listening proficiencies are stressed. Ancillary teacher-designed materials supplement authentic resources and short literary texts. Projects and class discussions allow the students to explore new cultures and to appreciate their diversity. After successful completion of French I, students will have reached Checkpoint A of their World Language sequence. The text is D'Accord 1.

French II		Length:	Full Year
Course Number:	0402	Credit:	1.0
Grade Level(s):	9	Final Assessment:	Department Examination

Prerequisites: Successful completion of French I

Description: Students continue to work with selected topics originally presented in French I in greater depth in all skill areas. This course then develops new topics such as travel, health, and welfare. The culture of France, the Ivory Coast and Martinique are explored. The focus in French II is the acquisition of speaking skills while reading, writing and listening proficiencies are also stressed. The students are expected to use French in class activities. The texts for this course are Allez-Viens 2 and D'Accord 2. Ancillary teacher-designed materials supplement authentic resources and short literary texts. Projects and class discussions allow the students to explore new cultures and to embrace diversity.

French III		Length:	Full Year
Course Number:	0404	Credit:	1.0
Grade Level(s):	10-11	Final Assessment:	Level III Examination

Prerequisites: Successful completion of French II

Description: This course is designed for students who have successfully completed French II. The focus of the course is on oral communication. The French III course is an intensive expansion of speaking, writing, reading and listening skills. Students listen to authentic French selections via the Internet. The students are expected to use French in class activities. Research projects and class discussions explore French culture which increases global awareness and appreciation of diversity. All students in this course take a Checkpoint B examination in June. Upon successful completion of this course, students are encouraged to take Advanced Level IV French. The textbook is D'Accord 2.

Advanced Level IV French (SUNY Oswego)**Course Number:** 0405
Grade Level(s): 11-12**Length:** Full Year**Credit:** 1.0**Final Assessment:** Department Examination**Prerequisites:** Successful completion of French III and teacher recommendation**Description:** This course is designed for all students who have successfully completed the French III course at the Mastery level. It is a weighted course resulting in three (3) optional SUNY Oswego credits (FRE201) with a cost of \$175. This course covers the four foreign language skill areas in depth. The goal of this course is to facilitate communication as well as the enhancement of the other skills. The course is predominantly taught in French. The text is D'Accord 3 but several supplemental materials are also used. Activities for this course include: speaking, listening to native speakers on video and Internet, discussion of contemporary issues, and reading and discussing literary works from each genre; notably works by LaFontaine, Proust, Flaubert, Guy de Maupassant and Prévert. Students will also read a novel of great importance, as well as interact with a variety of selected media components. The course seeks to provide a cultural background for the arts and teaches appreciation of the cultural aspects of the French speaking countries via language based short films and interactive electronic media. Upon successful completion of this course students are encouraged to take the Advanced Level V French Language (SUNY Oswego). The textbook is D'Accord 3.**Advanced Level V French Language (SUNY Oswego)****Course Number:** 0407
Grade Level(s): 12**Length:** Full Year**Credit:** 1.0**Final Assessment:** Department Examination and Project**Prerequisites:** Successful completion of Advanced Level IV French and teacher recommendation**Description:** This is an intensive course designed for students with a strong background in French. It is a weighted course resulting in three (3) optional SUNY Oswego credits (FRE202) with a cost of \$175. The course is predominantly taught in French. It demands commitment from the students in terms of daily homework and extremely regular class attendance. All activities are directed toward developing fluency in the French language and preparing students for advanced language study at the university level. In addition, this course seeks to expose the students to cultural diversity and foster multicultural awareness and appreciation. Students are exposed to music, poetry, prose and foreign films that relate to the works of selected composers, poets, authors and artists. The text for this class is D'Accord 3, however there are several supplemental materials including authentic literary texts, current event periodicals, and news broadcasts via the Internet. There will be an option for diligent students to sit for the Advanced Placement French Language Examination; the registration fee is approximately \$95.**Spanish I****Course Number:** 0421**Length:** Full Year**Credit:** 1.0**Final Assessment:** Department Examination**Grade Level(s):** Those who need to complete requirements for Checkpoint A or those new to the district with no language background**Prerequisites:** None**Description:** This course is a Checkpoint A course that fulfills the required 1 credit for graduation. The focus is on listening, speaking, reading, and writing, with particular attention being given to the speaking skill. Relevant vocabulary and grammar points are taught in order to facilitate the speaking and writing skills. Class activities include cooperative learning groups and exercises which include video and audio presentations. By the end of the year, students are able to discuss a variety of topics as set forth in the New York State Modern Language for Communication guidelines. Students increase their global awareness by exploring cultural aspects of Spanish-speaking countries. They are exposed to the cultural aspects of music, art, poetry, and special holiday events. They understand cultural customs by creating their own projects. After successful completion of Spanish I, students will have reached Checkpoint A of their World Language sequence. The workbook is Spanish is Fun.

Spanish II		Length:	Full Year
Course Number:	0422	Credit:	1.0
Grade Level(s):	9	Final Assessment:	Department Examination

Prerequisites: Successful completion of Spanish I

Description: This course is designed for students who have successfully completed Spanish I. The focus is on enhancing four areas of proficiency: speaking, listening, reading, and writing. Students are expected to use Spanish in all class activities. The students cover a variety of topics using different learning techniques and strategies. In addition, students are exposed to cultural aspects of Spanish speaking countries. The curriculum is supplemented with units that expand the understanding of life in Spanish speaking countries with authentic and realistic materials within each unit. The students will be expected to utilize the new vocabulary and grammar points to demonstrate knowledge in the four areas of proficiency. After successful completion of this course, and the final exam, students will be enrolled in Spanish III the following year.

Spanish III		Length:	Full Year
Course Number:	0424	Credit:	1.0
Grade Level(s):	10-11	Final Assessment:	Level III Examination

Prerequisites: Successful completion of Spanish II and teacher recommendation

Description: This course is designed for those students who have successfully completed Spanish II. Students expand upon the skills of listening, speaking, reading and writing. The focus of the course is on oral communication. Cooperative learning provides for the necessary practice of all skills. Students read short stories such as "La Camisa de Margarita" and listen to authentic Spanish selections that include poetry and music. Research projects and class discussions explore Spanish culture which increases global awareness and appreciation of diversity. Students are expected to use Spanish in class activities. All students in this course take a Level III examination in June. Upon successful completion of this course, students are encouraged to take Advanced Level IV Spanish.

Advanced Level IV Spanish (SUNY Oswego)		Length:	Full Year
Course Number:	0425	Credit:	1.0
Grade Level(s):	11-12	Final Assessment:	Department Examination

Prerequisites: Successful completion of Spanish III and teacher recommendation

Description: This course is designed for all students who successfully complete the Spanish III course at mastery level. It is a Checkpoint C, weighted course, resulting in three (3) optional SUNY Oswego credits (SPA201) with a cost of \$175. This course covers the four language skill areas in depth. The goal of this course is to facilitate communication as well as the enhancement of listening, reading and writing skills. The course is predominantly taught in Spanish. The textbook is Descubre 3, but several supplemental materials are used. Activities for the course include: speaking, listening to native speakers on video and via the Internet, discussion of contemporary issues, and reading and discussing literary works from various authors. The course seeks to provide a cultural background for the arts and exposes students to several fine art selections throughout the course of the year. Upon successful completion of this course, students are encouraged to take Advanced Spanish V (SUNY Oswego).

Advanced Level V Spanish Language (SUNY Oswego)

Course Number: 0428

Grade Level(s): 12

Length: Full Year

Credit: 1.0

Final Assessment: Department Examination/
Project

Prerequisites: Successful completion of Advanced Level IV Spanish and teacher recommendation

Description: This is an intensive course designed for students with a strong background in Spanish. It is a weighted, Checkpoint C course resulting in three (3) optional SUNY Oswego credits (SPA202) at \$175. The course is predominantly taught in Spanish. The course demands strong commitment from the students in terms of daily homework and regular class attendance. The course seeks to expose students to cultural diversity and foster multi-cultural awareness and appreciation. Students are exposed to music, poetry, prose, and foreign films that relate to the works of selected musicians, poets, authors, and artists. The grammatical focus is on sophisticated structures of the Spanish language with the goal of achieving greater mastery and fluency of the language. Supplemental materials include: authentic literary texts, current event periodicals and news broadcasts via the Internet. There is the option for diligent students to take the Advanced Placement Spanish Language Examination in May; the registration fee is approximately \$95. The texts are ABRIENDO Paso Gramática and Descubre 3.

BUSINESS EDUCATION

Career and Financial Management
 Career and College Readiness
 Word Processing
 Access and Excel
 Advanced Computer Applications
 Business of Gaming and Apps
 OCC Computer and Information Literacy
 OCC Introduction to Business
 OCC Financial Accounting
 Business Law
 Cazenovia Principles of Marketing
 Cazenovia College Principles of Business Management
 Web Design
 Personal Finance
 Wall Street
 Let's Get Down to Business

Career and Financial Management	Length:	One Semester
Course Number: 0500	Credit:	0.5
Grade Level(s): 9-12	Final Assessment:	Department Examination and/or Portfolio

Prerequisites: None

Description: This semester course emphasizes the “skills” needed for success in the workplace. Units on time management, goal setting, preparing for work (resumes/interviews), workplace habits/rights, and career exploration will be covered. Students will create a portfolio that will be useful as they prepare to enter the workforce. The financial topics include banking, credit, insurance, taxes, economics, budgets and investments.

Career and College Readiness	Length:	One Semester
Course Number: 0502	Credit:	0.5
Grade Level(s): 9-12	Final Assessment:	Department Examination and/or Portfolio

Prerequisites: None

Description: This semester course is designed to help students prepare for life after high school. Units include career exploration (interest inventories, research, planning), exploring different career pathways (ex. apprenticeships, military, college) college preparation (researching, the application & admission process, scholarship opportunities), success at college/work (study skills, student life, physical/mental well-being) and organizing the necessary documents for college acceptance and/or for getting hired for a job (essays, resumes, letters, interview responses). Every student will build a portfolio of their research. A job shadowing experience will also be encouraged.

Word Processing	Length:	One Semester
Course Number: 0504	Credit:	0.5
Grade Level(s): 9-12	Final Assessment:	Department Examination and/or Portfolio/Project

Prerequisites: None

Description: This semester course is recommended for ALL students. It will help students develop competency on the keyboard as well as with Microsoft Word. Skill-building lessons and games will help students become proficient with their word processing skills. Daily activities will help increase typing speed and accuracy. Students will learn how to format personal/business letters, memos, outlines, reports, tables, and other popular business documents. Students will create visually appealing

documents using clipart, borders and other common Word features. Keyboard shortcuts and Word functions will be emphasized.

Access and Excel

Course Number: 0545
Grade Level(s): 9-12

Length: One Semester
Credit: 0.5
Final Assessment: Department Examination and/or Portfolio/Project

Prerequisites: None

Description: In this semester elective course, the student is taught to utilize Microsoft Excel to create spreadsheets with basic formulas, functions and formatting changes to enhance the visual appeal of the spreadsheet. Students learn to create "What If" statements and various types of charts. Students use Microsoft Access to create databases using the design and datasheet views. They learn to enter records, create reports, create a query, sort data, and change the structure of the database.

Advanced Computer Applications

Course Number: 0505
Grade Level(s): 9-12

Length: One Semester
Credit: 0.5
Final Assessment: Department Examination and/or Portfolio/Project

Prerequisites: Successful completion of Word Processing

Description: In this semester course, students will explore a variety of computer applications. Microsoft Word, PowerPoint, Publisher, Google Drive and Adobe Spark will be used to create a variety of business documents and publications. There is reinforcement of how computer skills can impact future success in the business world. Students will use their skills to create visually appealing presentations. This project-based course uses business simulations to make brochures, magazine covers, business cards, and logos. Time will be spent on incorporating good design when creating documents, defining the purpose and audience for the document, and use of time management skills. Digital citizenship, netiquette, and digital footprints will also be addressed. This class is a great opportunity for students to express their creativity while learning useful skills that can be applied in a work-place setting.

Business of Gaming and Apps

Course Number: 0544
Grade Level(s): 9-12

Length: One Semester
Credit: 0.5
Final Assessment: Department Examination or Project

Prerequisites: None

Description: This is a one-semester elective which will allow the student to investigate a career in the gaming and applications field. This area is an industry that is impacting how we do business today. The course will include the history of the gaming industry, a study into how games impact society, the legal aspects of these games and applications, steps in the design and development process, research into the careers in this industry, marketing and distribution of these applications, and an introduction to the game and application development utilizing various programs or websites. The course is taught in a computer lab to allow access to the most current information on the Internet as well as activities involved in the business of gaming and apps. Students who enjoy this course should consider Introduction to Computer Programming course in the technology department where time is spent on the actual programming that could go into game and/or app development.

OCC Computer & Information Literacy

Course Number: 0511
Grade Level(s): 10-12

Credit:
Final Assessment:

Length: Full Year
1.0
OCC Final Examination

Prerequisites: None

Description: Information Systems is an introductory course in computer fundamentals covering computer hardware, software, and business applications. It provides an introduction to digital and information technologies, concepts, and terminologies. Discussions of the social and ethical issues related to computers and the Internet are integral to the nature of this course. This course provides students with opportunities to develop research and critical thinking skills and will introduce the student to continuously evolving and emerging digital technologies and their effects on society. Students will use web applications, word processing, spreadsheets, database, presentation, and other software to learn, search, and organize their research and then present and communicate their findings. Students have the opportunity to receive 3 college credits through Onondaga Community College (CIS 100) for this course as well as receive high school credit. Students must have a 75% average to receive college credit.

OCC Introduction to Business

Course Number: 0515
Grade Level(s): 11 - 12

Length:
Credit:
Final Assessment:

Full Year
1.0
Department Project
and/or Examination

Prerequisites: None

Description: This is an introductory course through Onondaga Community College (BUS 101) that gives students an overview of the impact of business on society. This course is intended to help students obtain a clear understanding of the way in which business functions through the interrelationship of marketing, management, and finance. Critical thinking activities, case studies, and research projects are completed to reinforce topics in these areas. This course is recommended for prospective college business majors. Students have the option of taking this course for 3 college credits as well as receiving high school credit. Students must have a 75% average to receive college credit.

OCC Financial Accounting

Course Number: 0521
Grade Level(s): 11-12

Length:
Credit:
Final Assessment:

Full Year
1.0
Department Examination

Prerequisites: None

Description: This full-year course is for students with a variety of career objectives. Students who desire a career in accounting as well as students who are interested in the business field and will need course work in the accounting area, will benefit from this course. Students have the opportunity to receive three college credits through Onondaga Community College (BUS 105) in addition to high school credit. Students must have a 75% average to receive college credit. This course is designed to develop competence in the application of accounting theory. Students practice both manual and automated accounting systems for a service and a merchandising business. Inventory, payroll, and accounting information systems are also studied in this course.

Business Law		Length:	Full Year
Course Number:	0525	Credit:	1.0
Grade Level(s):	10-12	Final Assessment:	Department Project and/ or Examination

Prerequisites: None

Description: This course emphasizes the field of law as it relates to our business and personal lives. Students in this class will gain a basic understanding of how law will affect their personal and professional lives. Topics covered in class include: the history of our legal system, the role of the courts, civil and criminal law procedures, contracts, forms of business ownership, ethics, personal concerns (buying and renting, insurance, family law, personal and real property), employment law, commercial paper and, if time permits, sports law. Interactive discussions, debate and mock trials may be scheduled. We look at current events and how they relate to the field of law. This course is intended to be an overview of law as it relates to business. It is an elective that could serve all students.

Cazenovia College Principles of Marketing		Length:	Full Year
Course Number:	0540	Credit:	1.0
Grade Level(s):	10-12	Final Assessment:	Department Examination and/or Project

Prerequisites: None

Description: This course provides an introductory overview to one of the broadest fields in the business world. The course offers a hands-on mix of individual group activities that explores most aspects of the field. The course serves as a good introduction to business and shows students possible career areas and college majors. Units covered in class include: introduction to marketing, economics and the global marketplace, social responsibility and ethics, distribution, marketing research, pop culture, sports and entertainment marketing, fashion marketing, advertising, sponsorship and promotion. We cover the seven functions of marketing and the four P's. Career exploration is done in class. Students will blog and make connections to events in the news throughout this course as we discuss current marketing news. This course is a Cazenovia College dual credit class (BU120). Students who register with Cazenovia College, pay their fee (approx. \$250), and maintain a C or higher will earn three (3) college credits.

Cazenovia College Principles of Business Management		Length:	Full Year
Course Number:	0542	Credit:	1.0
Grade Level(s):	11-12	Final Assessment:	Department Examination and/or Project

Prerequisites: None

Description: This course provides an introductory overview of the world of management with a focus on small business entrepreneurship. The course looks at the history of management and the ways in which an individual can step into the field and be a manager or a small business owner. The functions of management are a focus. Units in the class include: characteristics of entrepreneurs and managers, forms of business ownership, management theories, marketing, accounting and finance for managers and business owners, taxes, managing in a business, human resources, risk management, and ecommerce. We explore ethics in the business world as it relates to both personal and corporate responsibility. Students will select a business that is of interest to them and will work on creating a business plan for that venture during the year. This plan becomes the final exam. During the year, a 3D model of the business is created. This course is a Cazenovia College dual credit class (BU110). Students who register with Cazenovia College, pay their fee (approx. \$250), and maintain a C or higher will earn three (3) college credits.

Web Design		Length:	One Semester
Course Number:	0671	Credit:	0.5
Grade Level(s):	9-12	Final Assessment:	Department Examination and Project

Prerequisites: None

Description: The Web Media course helps students to attain the skills necessary to design, plan and implement web pages for personal and business use. Students learn to take an idea from concept to completion and then to update and revise web sites as necessary. Students successfully completing this course earn ½ credit in business. This class uses Adobe Dreamweaver CS6 as the medium for web page creation. Other software that will be introduced will be Adobe Flash, Photoshop and Fireworks. Introductory HTML is explored.

Personal Finance		Length:	One Semester
Course Number:	0522	Credit:	0.5
Grade Level(s):	10-12	Final Assessment:	Department Examination

Prerequisites: None

Description: Do you want to know how to make the most of your money? If so, this semester course is for you! Units include money management (budgeting), borrowing (credit), earnings, financial services, insurance, investments and major purchases. Renting vs. buying a house and buying and maintaining a vehicle will also be discussed. This course will prepare you with what to expect “financially” when living on your own.

Principles of Work		Length:	Full Year
Course Number:	0541	Credit:	1.0
Grade Level(s):	10-12	Final Assessment:	Accumulated Grades

Prerequisites: Department approval and working papers

Description: For students who are interested in working part time and receiving credit through the Work Experience program. Work experience is a planned, supervised, on-the-job work experience with coordinated in-school instruction. In order to receive credit for work experience, students must successfully complete a research paper and project per semester, monthly journal entries and successfully fulfill a work experience contract. A minimum of 150 hours per semester is required for a total of 300 hours for the year. Monthly roundtable discussions are included. Students may be eligible for late arrival or early dismissal to work on their work experience credit.

Wall Street		Length:	One Semester
Course Number:	0548	Credit:	0.5
Grade Level(s):	11-12	Final Assessment:	Department Examination and/or Project

Prerequisites: None

Description: This course provides students with the opportunity to expand their knowledge of the investment market. Topics include the history of the stock market, the Federal Reserve System, reasons for investing, types of investments (stocks, bonds, mutual funds, retirement accounts, real estate), financial crises of the 21st Century, international influences on economic growth, careers in the investment and banking industries, rules and regulations, stock market, financial institutions and bank performance.

Let's Get Down to Business		Length:	Full Year
Course Number:	0506	Credit:	1.0
Grade Level(s):	9-12	Final Assessment:	Final Project/Portfolio

Prerequisites: None

Description: Successfully managing a project requires effective planning and adherence to the industry's best practices in every step of the process. By understanding the fundamentals of project management, you will be better prepared to initiate a project in your organization and position it for success. In this course, you will examine the elements of sound project management and apply the generally recognized practices to successfully create and manage projects.

WEST GENESEE HIGH SCHOOL CTE PROGRAMS

Business Administration

Required:

0.5	Career & Financial Management
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Select 4.5 Credits from the list below.
At least 2 credits must be college level.

1	Caz. College-Principles of Business Management
1	Caz. College-Principles of Marketing
1	Business Law
1	OCC Introduction to Business
1	OCC Financial Accounting
1	OCC Information Systems
1	Let's Get Down to Business
0.5	Access and Excel
0.5	Advanced Computer Applications
0.5	Business of Gaming and Apps
0.5	Career & College Readiness
0.5	Personal Finance
0.5	Wall Street
0.5	Web Design
0.5	Word Processing

Computer Technology

0.5	Career & Financial Management
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1	OCC Computer & Information Literacy
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0.5	Fundamentals of Electronics
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1	Home & Small Business Networking
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1	PC Hardware & Software
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0.5	Intro to Computer Programming
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0.5	Adv. Computer Programming
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Engineering Technology

0.5	Career & Financial Management
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1	Design & Drawing for Production
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0.5	OCC Mechanical CAD
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0.5	Fundamentals of Electronics
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0.5	Pre-Engineering
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0.5	Robotics
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1	OCC Design & Manufacturing
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0.5	Project Management
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Number to the left of each course name indicates the amount of high school credit associated with the course.
College credit can be earned with the courses indicated through OCC or Cazenovia College.

****Additional activities must be achieved in order to receive a CTE endorsement on the diploma including: work experience, portfolio, and pass a nationally recognized certification exam.*

TECHNOLOGY EDUCATION

Design & Drawing for Production
 CFS140 OCC Computer Forensics and Security
 ARH 120 OCC Architectural Drafting Studio
 IND/ARH 170- OCC Architectural Design and Production
 MET 161- OCC Mechanical Computer Aided Drawing
 PC Hardware & Software
 Home & Small Business Networking
 Fundamentals of Electronics
 Pre-Engineering
 Robotics
 MET 151OCC Design and Manufacturing
 Project Management & Design
 Introduction to Computer Programming
 Advanced Topics in Computer Programming

Design & Drawing for Production	Length:	Full Year
Course Number: 0640	Credit:	1.0
Grade Level(s): 9-12	Final Assessment:	Department Examination and/or Project

Prerequisites: None

Description: This is an introductory technology course which exposes students to the design and engineering fields. Students will learn manual drafting and CAD using industry standard software such as Autodesk AutoCAD and Inventor. Working individually and in groups, students will brainstorm and develop solutions to various design problems. This is achieved through research, brainstorming, drawing, and presentation skills developed throughout the course. A strong emphasis is placed on the design process and developing critical thinking skills.

This course is an alternative for students wishing to satisfy his or her full year Fine Arts requirement and may be used as part of an art sequence as well. It is also used as the prerequisite for Mechanical CAD and Architectural CAD courses and fulfills one of the requirements of the CTE Engineering Technology strand.

Examples: Activities may include: researching, designing and constructing a maze, 3D puzzle, shelter, packaging or other individual/group projects.

OCC Computer Forensics and Security (OCC CFS 140)	Length:	One Semester
Course Number: 0643	Credit:	0.5
Grade Level(s): 10-12	Final Assessment:	OCC Final Examination

Prerequisites: Recommended to have completed the PC Hardware and Software course. This course will utilize Concepts of the internet and computers which are taught in the PC Hardware and Software course. Students should have a basic understanding of how computers function.

Description: This course is an introduction to the principles of information assurance and security. Topics include: security investigation, analysis, implementation, maintenance and design. It integrates the core knowledge required for cyber security including securing networks, recognizing vulnerabilities, and mitigating basic threats.

OCC Drafting Studio (OCC ARH 120)	Length:	One Semester
Course Number: 0644	Credit:	0.5
Grade Level(s): 10-12	Final Assessment:	Portfolio

Prerequisites: Successful completion of Design & Drawing for Production

Description: This semester course allows students to experience hands-on applications in residential architectural utilizing Computer Aided Drawing. Learning objectives include: Identifying the major components of the CAD system, starting up the system and saving work, retrieving work and plotting work, performing file management, executing drawing and editing commands, and utilizing basic architectural standards to develop wood framed residential architectural drawings.

OCC Architectural Design and Production (ARH/IND 170)	Length:	One Semester
Course Number: 0645	Credit:	0.5
Grade Level(s): 10-12	Final Assessment:	Portfolio

Prerequisites: Successful completion of Design & Drawing for Production

Description: The students will learn how to create, modify, communicate, collaborate, transmit and present solutions to Architectural problems using specific software applications including: AutoDesk AutoCAD, SketchUp, Layout, Microsoft PowerPoint, and Adobe Photoshop. Students register through Onondaga Community College and, upon successful completion of the course, earn three (3) college credits.

OCC Mechanical Engineering Drawing CAD(MET 161)	Length:	One Semester
Course Number: 0646	Credit:	0.5
Grade Level(s): 10-12	Final Assessment:	Portfolio

Prerequisites: Successful completion of Design & Drawing for Production

Description: This is an introductory CAD (Computer-Aided-Drawing) course which utilizes industry standard software such as Autodesk AutoCAD and Inventor. Students will learn and develop skills relating to geometric construction, dimensioning, multi-view drawings, threads & fasteners, 3D modeling and applied mathematics as they pertain to CAD. The course will conclude with a digital student portfolio. Students have the option of registering through Onondaga Community College and, upon successful completion of the course, earn three (3) college credits (MET261). This course is also a requirement for the CTE Engineering Technology diploma endorsement.

PC Hardware & Software	Length:	One Year
Course Number: 0648	Credit:	1.0
Grade Level(s): 10-12	Final Assessment:	Department Examination

Prerequisites: None

Description: The PC Hardware and Software course (Cisco IT Essentials Curriculum) covers the fundamentals of PC hardware and software as well as advanced concepts. It is designed for students who want to pursue careers in Information and Communication Technology (ICT), and students who want to gain practical knowledge of how a computer works.

Students who complete this course will be able to describe the internal components of a computer, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. Additional topics covered include laptops and portable devices, wireless connectivity and basic implementation skills, security, safety and environmental issues, applied network configuration and troubleshooting skills, and communication skills. Hands-on lab activities and virtual learning tools are essential elements that are integrated into the curriculum. The Cisco IT Essentials curriculum helps prepare students for the CompTIA A+ certification.

This course also fulfills one of three requirements of the CTE Computer Technology strand.

Home & Small Business Networking	Length:	One Year
Course Number: 0649	Credit:	1.0
Grade Level(s): 10-12	Final Assessment:	Department Examination

Prerequisites: It is recommended that a student successfully pass the PC Hardware & Software course prior to taking this course.

Description: The Home & Small Business Networking course (Cisco CCNA Discovery Curriculum) provides general networking theory, practical experience, and opportunities for career exploration and soft-skills development. The curriculum teaches networking based on application, covering networking concepts within the context of network environments students may encounter in their daily lives – from small office and home office (SOHO) networking to more complex enterprise and theoretical networking models later in the curriculum. Students learn the technical skills and soft skills needed to succeed in entry-level networking professions such as a network installer, help desk technician, pre-sales support technician, or network technician. CCNA Discovery also provides an introduction to advanced technologies such as voice, video, wireless, and security.

The Cisco CCNA Discovery Curriculum helps prepare students for two different Cisco certification exams, CCENT or CCNA.

This course also fulfills one of the requirements of the CTE Computer Technology strands.

Fundamentals of Electronics**Course Number:** 0650**Grade Level(s):** 9-12**Length:**

One Semester

Credit:

0.5

Final Assessment:Department Examination
and/or Project**Prerequisites:** Design & Drawing for Production for 9th Graders**Description:** This is an introductory electronics course which focuses on the areas of: Electronic Systems, Digital Circuits, AC Circuits, Digital Electronics, and Breadboarding. Students will develop skills and knowledge pertaining to electronics through classroom instruction and the use of computer-based training systems. Working individually and in pairs, students will perform hands-on activities and solve practical problems that reinforce the areas mentioned above. Mathematical and scientific principles will be used to build, analyze and solve practical electronic problems. This course is also a requirement for the CTE Computer Technology and Engineering Technology.**Pre-Engineering****Course Number:** 0651**Grade Level(s):** 9-12**Length:**

One Semester

Credit:

0.5

Final Assessment:Department Examination
and/or Project**Prerequisites:** Design & Drawing for Production for 9th Graders**Description:** This semester course is a hands-on technology class designed to develop student interest and knowledge in different engineering and engineering technology fields. Areas of study include: career exploration, mechanisms, materials, open-ended design problems, and applied math and science. This course provides students time to design and build projects while learning appropriate use of machinery and tools in the classroom. The course fulfills one of the requirements for the CTE Engineering Technology strand.**Robotics****Course Number:** 0653**Grade Level(s):** 9-12**Length:**

One Semester

Credit:

0.5

Final Assessment:Department Examination
and/or Project**Prerequisites:** None**Description:** This semester course is a hands-on technology class which gives students an introduction to robotics, programming and drone technology. This course promotes teamwork, collaboration, creativity on open-ended design problems which tie in different math and science concepts. Students will work in groups, problem solve and design different projects. Areas of study include building robotics, autonomous programming, manual control programming of a robot, building a machine control design simulation and flying drones autonomously and manually. Students will work in groups, problem solve and design different projects. This course fulfills one of the requirements for the CTE Engineering Technology Strand.**OCC Design and Manufacturing (MET 151)****Course Number:** 0652**Grade Level(s):** 11-12**Length:**

One Year

Credit:

1.0

Final Assessment:

Department Examination

Prerequisites: Successful completion of DDP**Description:** This full-year course allows students to experience hands-on applications in the design and manufacturing technology. Areas of study include: CAM technology, CNC technology, solid modeling and design. Theory and instruction are combined with virtual and tangible activities and projects to help students understand engineering principles. Students have the option of registering through Onondaga Community College and, upon successful completion of the course, earn three (3) college credits (MET151). The course also fulfills one of the requirements for the CTE Engineering Technology strands.

Project Management & Design**Course Number:** 0654**Grade Level(s):** 12**Length:**

One Semester

Credit:

0.5

Final Assessment:

Department Project

Prerequisites: Successful completion of Design and Manufacturing**Description:** This semester course allows students to collaborate, use problem-solving skills related to fields of engineering, and to complete a semester-long project. The teacher facilitates students as they work independently applying concepts and skills. Students are expected to demonstrate fluent written and oral communication skills as well as show they possess the ability to select and use the appropriate tools and materials related to their projects. The course also fulfills one of the requirements for the CTE Engineering Technology strands.**Introduction to Computer Programming****Course Number:** 0270**Grade Level(s):** 9-12**Length:**

One Semester

Credit:

0.5

Final Assessment:Department Examination
and/or Project**Prerequisites:** None**Description:** This is an introductory course in computer programming that provides students with opportunities to learn basic computer knowledge and skills. The course introduces computer programming, emphasizing algorithm design and implementation using conditionals, loops, functions, and object oriented programming. The course is taught using MIT's App Inventor program in conjunction with an android tablet using the companion app for live testing of their app development. Students will learn all the skills necessary while working with a partner to complete a capstone project where they will design an app completely from scratch to solve a community problem. This course is part of the Computer Technology strand for CTE diploma endorsement and is also a prerequisite for Advanced Topics in Computer Programming.**Advanced Topics in Computer Programming****Course Number:** 0271**Grade Level(s):** 9-12**Length:**

One Semester

Credit:

0.5

Final Assessment:Department Examination
and/or Project**Prerequisites:** Successful completion of Introduction to Computer Programming course and a solid math background.**Description:** The advanced programming course begins to introduce students to text based coding. Students will be utilizing Apple's free program X Code to learn industry standard language Swift. Students will develop skills and knowledge pertaining to computer programming and software development with Apple's curriculum, while creating apps for IOS, WatchOS or TVOS. Students will finish the course by completing an app they develop from scratch for any Apple device of their choice. This course is part of the technology strand for the CTE diploma endorsement.

HEALTH EDUCATION

Health

Course Number: 0800

Grade Level(s): 9-12

Length:

One Semester

Credit:

0.5

Final Assessment:

Department Examination

Prerequisites: None

Description: Health is a one-semester course mandated by New York State for graduation. Emphasis is placed on relevant topics such as: wellness, heart disease and cancer prevention, physical fitness and nutrition, mental health and illness, positive relationships, reproductive health and family life education, HIV prevention, effective communication skills, alcohol and other drug abuse prevention, and training in CPR, AED use, choking, and basic first aid measures. Other current, critical teen health issues may also be addressed as needed.

PHYSICAL EDUCATION

Physical Education		Length:	One Semester
Course Number:	0810 – 0811 Grades 9 - 10	Credit:	0.25
	0812 – 0813 Grades 11 - 12		
Grade Level(s):	9-12	Final Assessment:	Accumulated Grades

Prerequisites: Students are required to take four years of Physical Education. All students must be enrolled in Physical Education each semester they are in school.

Description: Students acquire sufficient knowledge and understanding of physical activity which enables them to develop positive attitudes toward a healthy and active lifestyle. New York State has developed standards for Physical Education. Emphasis is placed on Standard 1, Personal Health and Fitness where students gain the necessary knowledge and skills to establish and maintain physical fitness, participate in physical activity, and maintain personal health. In Standard 2, A Safe and Healthy Environment, students acquire the knowledge and ability necessary to create and maintain a safe and healthy environment. For Standard 3, Resource Management, students understand and are able to manage their personal and community resources.

Lifeguarding		Length:	One Semester
Course Number:	0816 – 0817	Credit:	0.25
Grade Level(s):	9-12	Final Assessment:	Certification Examination

Prerequisites: To earn Certification students must be age 15 or turn age 15 during the class.

Description: This course is an American Red Cross Certified course. The ultimate goal is for students to receive Certification in Lifeguarding, Standard First Aid and CPR for the Professional Rescue; however, those students not receiving Certifications still have the opportunity to receive credit and pass the course. There are 3 fitness segments required for this course: students must show proficiency at breaststroke and freestyle while swimming 500 yards continuously plus students must be able to retrieve a 20 pound brick from water 7 feet deep. Students are asked to perform these fitness segments at the beginning of the course.

The lifeguarding portion of the course offers full training in many types of water rescues, including spinal injury management. Students are trained in prevention, victim recognition, professionalism and the responsibilities of being a lifeguard. Complete training in standard first aid is also provided. The CPR portion of the course provides training in infant, child and adult rescue breathing, CPR and care for an obstructed airway. Written examinations, quizzes and oral examinations are used to assess each student. Skill testing is done on all water rescues, first aid skills and CPR skills. Students need a swimsuit, goggles and a notebook for this course. Certification is approximately \$35. Students who earn certification may request a transcript from Onondaga Community College, two (2) college credits, for American Red Cross Lifeguard Training (PEH105) and/or one (1) college credit for CPR (HFA204).

Lifetime Physical Wellness		Length:	One Semester
Course Number:	0818 – 0819	Credit:	0.25
Grade Level(s):	10-12	Final Assessment:	None

Prerequisites: None

Description: This is a one-semester course offered to students as an alternative physical education class. The objective of the class is to promote personal lifelong fitness. Students learn how to assess their fitness level, how to achieve their desired fitness level, and how to maintain that level. Students learn about the five fitness components and how to improve each of these components. Total body fitness is emphasized. Additional fitness tests conclude the course to measure progress. Students create fitness plans to be followed both in class and outside of class. Students need to be prepared to exercise intensely in class.

Arts Sequence Options

The Arts curriculum provides each student with the opportunity to complete a sequence. **Students completing a five-unit sequence in the arts are not required to complete the additional two units of the language other than English (LOTE) requirement for the Regents diploma with advanced designation but must still meet the requirements for the total number of units of credit.** A “**Visual Art**” sequence can be achieved by earning five (5) units of credit in art, four of which can be in art electives and one of which must be Studio in Art. A “**Fine Arts**” sequence can be achieved by earning five (5) units of credit in fine arts, three units which can be in fine arts electives and two of which must be a Music Theory course and Studio in Art. A “**Music**” sequence can be achieved by earning five (5) units of credit in music, three of which can be in performing ensembles and the remaining two must be Music Theory I and AP Music Theory.

Visual Arts Sequence

Required:

Studio in Art

Additional 4 credits from:

Studio in Drawing and Painting I
 Studio in Drawing and Painting II
 Studio in Drawing and Painting III
 OCC Advanced Principals of Drawing
 Graphics Design I
 Graphics Design II
 Advanced Graphics Design III
 Studio in Mixed Media I
 Studio in Mixed Media II
 Advanced Studio in Mixed Media III
 Studio in Ceramics I
 Studio in Ceramics II
 Studio in Ceramics III
 Studio in Advanced Ceramics
 Studio in Digital Photography-Photo I
 Studio in Digital Photography-Photo II
 Alternative Process Photography II
 OCC Advanced Photography-Photo III
 AP Studio Art

Fine Arts Sequence

Required:

**Studio in Art
 and
 One Music Theory Course**

Additional 3 credits from:

Wind Ensemble
 Symphonic Band
 Concert Band

Symphony
 Orchestra

Chorale
 Concert Choir

Introduction to Dance
 Intermediate Dance
 Advanced Dance

Music Education Sequence

Required:

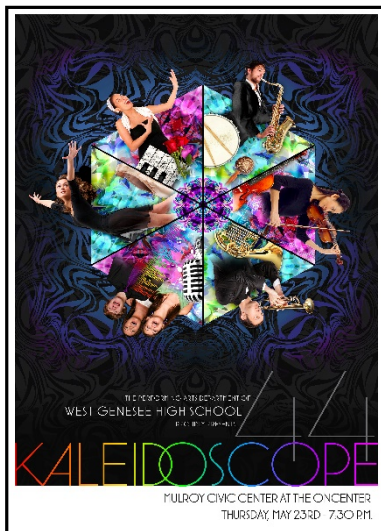
**Music Theory I
 and
 AP Music Theory**

Additional 3 credits from:

Wind Ensemble
 Symphonic Band
 Concert Band

Symphony
 Orchestra

Chorale
 Concert Choir



ARTS COURSES
 VISUAL ART

All visual art courses are open to all students. Successful completion of one credit of any of the following are required for graduation: Studio in Art, Design for Drawing and Production (DDP), Introduction or Intermediate Dance, Band, Orchestra, Chorus, Music Theory 1.

Studio in Art		Length:	Full Year
Course Number:	0750	Credit:	1.0
Grade Level(s):	9-10	Final Assessment:	Department Examination
	11-12 (with approval from Director of Fine Arts or Guidance)		

Prerequisites: None

Description: Studio in Art is a comprehensive foundations course which serves as a full-year introduction to the nature, function, and techniques of the visual arts. It is an exploration of various concepts used in the creative process including: design, drawing, painting, sculpture, art history, and others. This course is a prerequisite for students who are interested in taking other art courses. Students are able to determine their areas of strength and interest as they experience a variety of art forms. Studio in Art is a New York State required course for students majoring in Art and can be used by students to meet the Fine Arts requirement. Supply Kit is approximately \$20 and can be purchased from your art teacher.

Studio in Drawing and Painting I		Length:	Full Year
Course Number:	0753	Credit:	1.0
Grade Level(s):	9 - 12	Final Assessment:	Project and Portfolio

Prerequisites: None - Successful completion of Studio in Art or Design & Drawing for Production (DDP) recommended.

Description: Drawing and Painting I is a course designed for students who want to learn fundamental drawing and painting techniques using a variety of media. Design concepts and color theory are emphasized. Students are given opportunities to understand and organize their ideas about themselves and the world around them. A high level of self-discipline and a commitment of time and energy outside of class are required. Students may be asked to provide some of their own drawing and painting supplies.

Studio in Drawing and Painting II		Length:	Full Year
Course Number:	0754	Credit:	1.0
Grade Level(s):	10 - 12	Final Assessment:	Project and Portfolio

Prerequisites: Successful completion of Drawing and Painting I and teacher recommendation

Description: Drawing and Painting II is the intermediate course in the sequence, which will continue to expand upon fundamental drawing and painting skills as well as help students develop more advanced concepts and techniques; much of the work produced could be applied to a portfolio suitable for college submission. The study of drawing and painting throughout history is an important component of this course, as is the opportunity for students to develop an individual style. Students are expected to commit time and effort outside of class and may be asked to provide some of their own drawing and painting supplies.

Studio in Drawing and Painting III		Length:	Full Year
Course Number:	0755	Credit:	1.0
Grade Level(s):	11 - 12	Final Assessment:	Project and Portfolio

Prerequisites: Successful completion of Drawing and Painting II and/or teacher recommendation

Description: Drawing and Painting III consists of a series of drawing and painting assignments that are determined by the student and teacher to further strengthen and define individual interests and skills. Preparation of a portfolio for college entrance and various art competitions (including Scholastic Art Competition) are emphasized. A high level of self-discipline and creative thought are expected as students work toward the development of a personal style. Students are expected to commit time and effort outside of class in preparing artwork and independent projects. Students are required to furnish some of their own drawing and painting materials, including a portfolio.

OCC Advanced Principles of Drawing**Course Number:** 0759**Grade Level(s):** 11-12**Length:** Full Year**Credit:** 1.0**Final Assessment:** Department Examination**Prerequisites:** At least 2 credits of elective art courses in Drawing/Painting and/or teacher recommendation.**Description:** This full-year college level course is intended to emulate the experience one would have during an entry level drawing course at a university. As would be the case in a collegiate setting, much of the work will be from observation as students investigate foundational drawing concepts such as mark making, value, form and perspective, figure drawing, etc. An emphasis will also be placed on creating an effective composition utilizing principles such as balance, unity, variety, etc. Students are expected to commit time and effort outside of class and may be asked to provide some of their own drawing supplies. Three college credits will be awarded upon successful completion of the course in the form of a portfolio review. (ART109)**AP Studio Art Drawing****Course Number:** 0689**Grade Level(s):** 11-12**Length:** Full Year**Credit:** 1.0**Final Assessment:** Department Examination And Portfolio**Prerequisites:** At least 2 credits of elective art courses in Drawing/Painting and/or teacher recommendation.**Description:** This course emphasizes the individual studio experience and the application of both concept and technique to empower artistic direction. The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of college-level artwork. Emphasis is placed on the quality, concentration, and breadth of the student's production and experience. Instead of a written examination for evaluation, AP Studio Art students submit portfolios (in Drawing, 2-Dimensional Design or 3-Dimensional Design) at the end of the year. Students are expected to purchase some art materials. Students are required to take the Advanced Placement Examination upon completion of the course; the registration for the Examination is approximately \$94.**Graphics Design I****Course Number:** 0761**Grade Level(s):** 9-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** Project**Prerequisites:** None - Successful completion of Studio in Art or Design & Drawing for Production (DDP) recommended.**Description:** Throughout the course students will become designers, artists, entrepreneurs, researchers, and student leaders. The course allows freedom to explore new products, re-design existing products and create a new market and design for their own work. Students will be provided with a foundation in drawing, color, 3-D form, model making, and digital computer skills. Students will develop projects using Adobe Photoshop, Illustrator, and InDesign. Students will develop critical thinking, problem solving, and environmental responsibility. Students will create projects product design, product packaging and advertising, and produce professional level products and marketing materials.**Graphics Design II****Course Number:** 0766**Grade Level(s):** 9-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** Project**Prerequisites:** Successful completion of Graphics Design I and/or teacher recommendation.**Description:** Students will gain real world advertising and marketing experience through advanced projects. Students will work individually and within groups while coordinating projects using technical skills with organization, management, communication, ethics and teamwork. Students will be given challenging real world projects and assignments typical of the graphic design industry. High quality work is expected and students will be given opportunities to redo work until it meets standards specified during instruction. Classroom activities will include reading, research, projects, and problem solving. Students will often work in teams, but will be expected to complete individual assignments in relation to the team's work. Assessment methods will include written exams, tests, and quizzes, oral and written research reports, reading assignments and projects.

Advanced Graphics Design III**Course Number:** 0767**Grade Level(s):** 10-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** Project**Prerequisites:** Successful completion of Graphics Design II and teacher recommendation.

Description: Students will learn and apply the fundamentals of various software applications such as Adobe Illustrator, Photoshop, InDesign, Final cut Pro, Adobe premiere and after effects. Students will produce and design advanced image, animation, video and graphic design projects. Students will gain real world advertising and marketing experience through advanced projects. Students will work individually and within groups while coordinating projects using technical skills with organization, management, communication, ethics and teamwork. Students will be given challenging real world projects and assignments typical of the graphic design industry. High quality work is expected and students will be given opportunities to redo work until it meets standards specified during instruction. Classroom activities will include reading, research, projects, and problem solving. Students will often work in teams, but will be expected to complete individual assignments in relation to the team's work. Assessment methods will include written exams, tests, and quizzes; oral and written research reports; reading assignments; and projects.

Studio in Mixed Media I**Course Number:** 0762**Grade Level(s):** 9-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** Project**Prerequisites:** None - Successful completion of Studio in Art or Design & Drawing for Production (DDP) recommended.

Description: Mixed Media I provides students with an introduction to a variety of 2D and 3D media, techniques, and processes through sculpture, printmaking, collage, and other contemporary art forms. Emphasis is placed on developing familiarity with different artistic media and the creative process. Students are required to purchase additional supplies (approximately \$40).

Studio in Mixed Media II**Course Number:** 0763**Grade Level(s):** 9-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** Project**Prerequisites:** Successful completion of Mixed Media I and teacher recommendation.

Description: Mixed Media II gives students the opportunity to deepen their knowledge base in a variety of 2D and 3D art media and techniques, including but not limited to sculpture, printmaking, collage, and other contemporary art forms. Emphasis is placed on the exploration of advanced techniques and the creative process. Students are required to purchase additional supplies (approximately \$40).

Advanced Studio in Mixed Media III**Course Number:** 0764**Grade Level(s):** 10-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** Project**Prerequisites:** Successful completion of Mixed Media II and teacher recommendation.

Description: Mixed Media III students are required to draw on the material knowledge developed in Mixed Media I and II to produce creative works that explore their own ideas through a variety of 2D and 3D media. Students are more independent at this level with an emphasis on portfolio development, self-expression, reflection, and critique. Students are required to purchase additional supplies (approximately \$40).

Studio in Ceramics I**Course Number:** 0770**Grade Level(s):** 9-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** Department Examination**Prerequisites:** None - Successful completion of Studio in Art or Design & Drawing for Production (DDP) recommended.

Description: This course is designed for the beginner as an introduction to the use of clay as an art medium. Projects in this course will be based on the elements and principles of design. Through production, *history, and criticism students will develop an understanding of the techniques and processes* involved in the creation of clay works. Students will experience traditional and contemporary hand building and finishing techniques.

Studio in Ceramics II		Length:	One Semester
Course Number:	0772	Credit:	0.5
Grade Level(s):	9-12	Final Assessment:	Project

Prerequisites: Successful completion of Ceramics I and teacher recommendation.

Description: In Ceramics II students enhance basic skills and focus on creating pieces of 3-D art work that express their own personal ideas. Students will problem solve to design and produce both functional and non-functional pieces of ceramic art. An emphasis is placed on exploring ceramic works from different cultures.

Studio in Ceramics III		Length:	One Semester
Course Number:	0774	Credit:	0.5
Grade Level(s):	10-12	Final Assessment:	Project

Prerequisites: Successful completion of Ceramics II and teacher recommendation.

Description: In Ceramics III students are required to show mastery of hand-building skills and be able to produce wheel thrown pieces. Students are more independent at this level and focus on creating works that explore their own perceptions and ideas in clay. An emphasis is placed on reflection, critique and self-assessment.

Advanced Ceramics		Length:	Full Year
Course Number:	0775	Credit:	1.0
Grade Level(s):	11-12	Final Assessment:	Department Examination and Portfolio

Prerequisites: Successful completion of Ceramics III and/or teacher recommendation.

Description: Students explore clay as an expressive material through various forming and decorating methods. The course emphasizes the individual studio experience and the application of both concept and technique to empower artistic direction. Advanced Ceramics is designed for students who are seriously interested in the practical experience of college-level artwork. Emphasis is placed on the quality, concentration, and breadth of the student's production and experience. Students have the option to submit the Advanced Placement 3D Portfolio (once approved by College Board) upon completion of the course; the registration for the Examination is approximately \$94.

AP Studio Art 3D		Length:	Full Year
Course Number:	0690	Credit:	1.0
Grade Level(s):	11-12	Final Assessment:	Department Examination

Prerequisites: Successful completion of 4 semesters in Ceramics and/or Mixed Media and/or teacher recommendation.

Description: Students explore clay as an expressive material through various forming and decorating methods. The course emphasizes the individual studio experience and the application of both concept and technique to empower artistic direction. The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of college-level artwork. Emphasis is placed on the quality, concentration, and breadth of the student's production and experience. Instead of a written examination for evaluation, AP Studio Art students submit portfolios (in Drawing, 2-Dimensional Design or 3-Dimensional Design) at the end of the year. Students are expected to purchase some art materials. Students are required to take the Advanced Placement Examination upon completion of the course; the registration for the Examination approximately \$94.

Studio in Digital Photography - Photo I**Course Number:** 0680**Grade Level(s):** 9-12**Length:**

One Semester

Credit:

0.5

Final Assessment:Department Examination
and Project**Prerequisites:** None - Successful completion of Studio in Art or Design & Drawing for Production (DDP) recommended.**Description:** *Studio in Digital Photography - Photo I* is an introductory course focused on the study of digital photography as an art form. Topics covered include: composition, basic camera operation, shooting techniques, and basic photo editing techniques. Class time will consist of lectures, demonstrations, studio days and critiques. Reading and writing assignments will be given as appropriate to the class. It is recommended that students supply their own 35mm DSLR cameras, however, there are limited cameras available for student use. Students are responsible for providing their own digital backup device (i.e. 32GB flash drive).**Studio in Digital Photography - Photo II****Course Number:** 0691**Grade Level(s):** 9-12**Length:**

One Semester

Credit:

0.5

Final Assessment:Department Examination
and Portfolio**Prerequisites:** Successful completion of Photo I and teacher recommendation.**Description:** *Studio in Digital Photography - Photo II* gives students the opportunity to further explore digital photography, refine compositional shooting skills and explore additional photo editing techniques. Topics include, but are not limited to: creating photographic composites, long exposure photography, Bokeh and panoramic photography. Class time will consist of lectures, demonstrations, studio days and critiques. Reading and writing assignments will be given as appropriate to the class. It is strongly recommended that students supply their own DSLR cameras, however, there are limited cameras available for student use. Students are responsible for providing their own digital backup device (i.e. 32GB flash drive).**Alternative Process Photography II****Course Number:** 0765**Grade Level(s):** 9-12**Length:**

One Semester

Credit:

0.5

Final Assessment:Department Examination
and Portfolio**Prerequisites:** Successful completion of Photo I and teacher recommendation**Description:** This course is an introduction to alternative photographic techniques and an expanded investigation of various modes of photographic presentation. Students will study techniques and photo processes ranging from the 19th century (such as cyanotype, and Van Dyke brown) to the most contemporary digital techniques with an eye toward adapting and combining various techniques for innovative personal expression. Students will be encouraged to move beyond the traditional presentation methods of photography and to devise presentation styles to match and augment their photographic content. Possibilities include sequential imagery (book, video or digital), collage and montage, mixed media, wall hangings and sculptural and installation uses of photography. Class time will include lecture, demonstration, critique and hands-on, in-class projects. Writing and reading assignments as appropriate to the discipline are part of this course. In addition, paper expenses and course supplies are the responsibility of the student (approximately \$80).**OCC Digital Photography - Photo III****Course Number:** 0681**Grade Level(s):** 10-12**Length:**

One Semester

Credit:

0.5

Final Assessment:Department Examination
and Portfolio**Prerequisites:** Successful completion of Photo I, Photo II and teacher recommendation**Description:** OCC Digital Photography - Photo III is a continuation of the study of photography as an art form as well as a venue for self-expression. Students are expected to apply previously learned photographic methods (Photo I & Photo II) to express themselves artistically and to develop a personal style. Class time will consist of lectures, studio days and critiques. Reading and writing assignments will be given as appropriate to the class. It is strongly recommended that students supply their own DSLR cameras, however, there are limited cameras available for student use. In addition, paper expenses and course supplies are the responsibility of the student (approximately \$50). Students have the option of receiving college credit through OCC (PHO100).

AP Studio Art 2-Dimensional Design

Course Number: 0692

Grade Level(s): 11-12

Length:

Full Year

Credit:

1.0

Final Assessment:

Department Examination
and Portfolio

Prerequisites: At least 4 semesters of elective art courses, of which must include Photography and/or Graphic Design and teacher recommendation.

Description: Students explore college level/professional use of technologically based media in a 2D format. The course emphasizes the individual studio experience and the application of both concept and technique to empower artistic direction. The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of college-level artwork. Emphasis is placed on the quality, concentration, and breadth of the student's production and experience. Instead of a written examination for evaluation, AP Studio Art students submit portfolios (in Drawing, 2-Dimensional Design or 3-Dimensional Design). Students are expected to purchase some art materials. Students are required to take the Advanced Placement Examination upon completion of the course; the registration for the Examination is approximately \$94.

Performance/portfolio based classes are not offered during homebound instruction.

MUSIC

CURRICULAR OFFERINGS

Performing Ensembles:

Wind Ensemble
Symphonic Band
Concert Band W

Symphony
Orchestra
Concert Band G

Chorale
Concert Choir
Women's Chorus

Successful participation and performance in any of the above ensembles earns one unit of Regents credit per year and satisfies the New York State graduation requirement for the completion of one Fine Arts unit.

Prior experience in the Elementary and Middle School music programs or through the approval of the director of each performing ensemble is necessary for participation in any performing ensemble. These courses require weekly lessons on a rotating period basis.

Wind Ensemble		Length:	Full Year
Course Number:	0717	Credit:	1.0
Grade Level(s):	9-12	Final Assessment:	Performance/Participation

Prerequisites: Competitive audition

Description: Wind Ensemble rehearses five days a week and frequently performs inside and outside the school district. It is a select organization designed to challenge and exercise the technical ability and musical sensitivity of the more advanced woodwind, brass and percussion instrumentalists through the study of music from various periods of musical development. Most of the literature studied was composed specifically for wind instruments of various combinations. Wind Ensemble meets the New York State Fine Arts requirement for graduation.

Symphonic Band		Length:	Full Year
Course Number:	0716	Credit:	1.0
Grade Level(s):	9-12	Final Assessment:	Performance/Participation

Prerequisites: Competitive audition

Description: Symphonic Band rehearses five days a week and frequently performs both in and outside the school district. Students are placed in Symphonic Band based on a spring audition and their present level of musical accomplishment. Music performed represents the wide variety of styles that are included in the large repertoire for Symphonic Bands. Students are encouraged and challenged to grow as individuals and as an ensemble. Symphonic Band meets the New York State Fine Arts requirement for graduation.

Concert Band		Length:	Full Year
Course Number:	0715	Credit:	1.0
Grade Level(s):	9-12	Final Assessment:	Performance/Participation

Prerequisites: Audition

Description: Concert Band rehearses five days a week and performs inside the school district. Students are placed in Concert Band based on a spring audition and their present level of musical accomplishment. Attention is given to the development of tone, intonation, balance, rhythm, and style through various types of music ranging from serious to "pops." Students are encouraged and challenged to grow as individuals and as an ensemble. Concert Band meets the New York State Fine Arts requirement for graduation.

Chorale		Length:	Full Year
Course Number:	0713	Credit:	1.0
Grade Level(s):	10-12	Final Assessment:	Performance/Participation

Prerequisites: Competitive Audition

Description: Chorale is a select organization designed to challenge and exercise the technical ability and musical sensitivity of the more advanced vocal students through the study of music from various periods of musical innovation. The emphasis is on classical literature with popular and jazz music also included. The group rehearses five days a week and performs extensively inside and outside the school district. Admission is by competitive audition. Expectations are the same as those for Concert Choir with the additions of: 1.0 credit from a high school curricular performing ensemble, competitive spring audition focusing on the student's present level of musical skills development, preparation and performance of a musical solo, demonstrated proficiency in solfege sight-reading. Chorale meets the New York State Fine Arts requirement for graduation.

Concert Choir		Length:	Full Year
Course Number:	0712	Credit:	1.0
Grade Level(s):	9-12	Final Assessment:	Performance/Participation

Prerequisites: Competitive audition and/or teacher recommendation

Description: Concert Choir rehearses five days a week. Concert Choir provides an opportunity for students to sing all styles of music (classical and popular) written for 4 part, mixed chorus. Admission is by audition and/or approval of the director. Freshmen males are enrolled in this group. Expectations are: ability to match pitch, prompt and consistent attendance at all rehearsals and concerts, careful maintenance of all music and materials and a willingness to learn. Concert Choir meets the New York State Fine Arts requirement for graduation.

Symphony		Length:	Full Year
Course Number:	0719	Credit:	1.0
Grade Level(s):	10-12	Final Assessment:	Performance/Participation

Prerequisites: Competitive audition and teacher recommendation

Description: Symphony is open to musicians in grades 10, 11, and 12 who have had previous experience in high school orchestral programs. The strings meet daily with full symphony meeting three days out of every ten. String students are selected by audition. Woodwinds, brass and percussion sections are chosen from the Wind Ensemble. Symphony provides the very best musicians with a high quality orchestral experience through the study, preparation and performance of orchestral literature of all style periods. Symphony meets the New York State Fine Arts requirement for graduation.

Orchestra		Length:	Full Year
Course Number:	0718	Credit:	1.0
Grade Level(s):	9-12	Final Assessment:	Performance/Participation

Prerequisites: Audition and teacher recommendation

Description: Orchestra is open to musicians having previous experience in the elementary and middle school orchestral programs. The strings meet daily with full orchestra meeting three days out of every ten. Woodwind, brass and percussion sections are chosen from Symphonic Band. Orchestra provides the opportunity to study, prepare and perform orchestral literature of many different styles. Orchestra meets the New York State Fine Arts requirement for graduation.

Performance based classes are not offered during homebound instruction.

ACADEMIC MUSIC COURSES

Music Theory I

Course Number: 0701
Grade Level(s): 10-12

Length:

Full Year

Credit:

1.0

Final Assessment:

Department Examination

Prerequisites: Membership in any of the performing musical groups offered by the school.

Description: Theory I is the study of basic musical forms and structures. The elements of music construction are thoroughly assimilated. Skills in music reading, sight singing and aural dictation are developed. Music Theory meets the New York State Fine Arts requirement for graduation.

Advanced Placement Music Theory

Course Number: 0702
Grade Level(s): 11-12

Length:

Full Year

Credit:

1.0

Final Assessment:

AP Examination and
Department Examination

Prerequisites: Successful completion of Music Theory I and/or teacher recommendation

Description: AP Music Theory is the further study of musical forms and structures. The ability to analyze music aurally and visually, to improve music reading and performance, and to develop skills in composing, arranging and harmonization are the main objectives of this academic music offering. Music Theory meets the New York State Fine Arts requirement for graduation. All students are required to take the Advanced Placement Music Theory Examination in May. The registration fee is approximately \$94.

DANCE

Introduction to Dance

Course Number: 0708
Grade Level(s): 9-12

Length: Full Year
Credit: 1.0
Final Assessment: Performance/Participation

Prerequisites: None

Description: Introduction to Dance is an introduction to various dance forms including ballet, modern, and jazz. This class is designed to stimulate the creative imagination and to develop critical thinking skills in each student. Along with the physical and kinetic skills of dance, students learn the art of improvisation and choreography. The year-long experience enriches and expands the students' knowledge of the dances of many cultures. Curriculum also includes anatomy and kinesiology, dance history, and dancing in the eras. Students benefit from their own experiences with dance forms and learn ways to include dance as a medium for personal and group creative exploration. Assessments are based on class work as well as written work in their portfolio. All students participate in a minimum of two dance concerts. Attendance at one outside dance/musical performance is considered an assignment for this course. Introduction to Dance meets the New York State Fine Arts requirement for graduation. Students are expected to purchase costumes for dance performances and specific attire for dance classes (maximum \$100 cost for costume(s)/outside performance, can be offset through fundraising).

Intermediate Dance

Course Number: 0709
Grade Level(s): 9-12

Length: Full Year
Credit: 1.0
Final Assessment: Performance/Participation

Prerequisites: Successful completion of Introduction to Dance, and/or audition and teacher recommendation

Description: Intermediate Dance is an intermediate level dance class focused on technique including ballet and jazz with a strong emphasis on modern dance. Through guided improvisations, choreography, and journal writing, students learn to perceive, criticize, and articulate through clear thinking and effective communication skills. Students are required to demonstrate their understanding of dance elements, choreographic tools and their ability to respond to dance through writing, creating, and sharing. Curriculum also includes research, writing, and presentation of dance. Attendance at one outside dance/musical performance is considered an assignment for this course. This course is a prerequisite to Advanced Dance/Dance Ensemble. Intermediate Dance may be repeated once only upon the recommendation of the instructor and school counselor. Students are expected to purchase costumes for dance performances and specific attire for dance classes (maximum \$100 cost for costume (s)/outside performance, can be offset through fundraising).

Advanced Dance/Ensemble

Course Number: 0710
Grade Level(s): 10-12

Length: Full Year
Credit: 1.0
Final Assessment: Performance/Participation

Prerequisites: Audition and teacher recommendation

Description: Advanced Dance is an advanced course of dance technique and choreography. The emphasis in this class is on ballet and modern technique as well as on the development of performance skills. Students continue to develop and refine their dance skills through dance improvisation and movement exploration while creating, sharing, researching and writing about dance. The historical, artistic and societal beliefs of many cultures are integrated with the students' experiences of mental and physical challenges to awaken the creative individual within each student. Performance at in-school shows and community events is encouraged to better prepare the students for a career in the performing arts. Attendance at one outside dance/musical performance is considered an assignment of this course. Advanced Dance meets the New York State Fine Arts requirement for graduation, and may be repeated for credit upon the recommendation of the instructor and school counselor. Students are expected to purchase costumes for dance performances and specific attire for dance classes (maximum \$100 cost for costume(s)/outside performance, can be offset through fundraising).

Performance based classes are not offered during homebound instruction.

BOCES

BOCES AM

Course Number: 0820
Grade Level(s): 12

Length: Full Year
Credit: 3.0

BOCES PM

Course Number: 0821
Grade Level(s): 11

Length: Full Year
Credit: 3.0

Prerequisites: Successful completion of the following courses:

2 years of English 2 years of social studies 2 years of mathematics
2 years of science 2 years of physical education 1 year of fine arts
1 LOTE unit

Description: BOCES is an occupational education program which is offered to juniors and seniors at West Genesee High School. The program is designed to teach students job skills. Students who are considering this program are encouraged to visit BOCES prior to their junior year to learn more about the programs. This is especially important as half the school day (a.m. or p.m.) is spent at BOCES.

Listed below are the programs currently offered by BOCES. A detailed explanation of the courses, their content and requirements is available through school counselors.

- Early Childhood Education
- Construction Technology
- Cosmetology
- Graphic Arts/Communication
- Health Occupations Technology
- Culinary Arts
- Auto Collision Technology
- Auto Technology
- Lab Technician
- Computer Technology
- Welding
- Physical Therapy

NEW VISION

NEW VISION		Length:	Full Year
Course Number:	as per program	Credit:	5.0
Grade Level(s):	12	Final Assessment:	as per program

New Vision is an exciting approach to program delivery for eligible high school seniors. It provides an in-depth overview of a chosen professional field by placing the student into an actual work environment. New Vision successfully integrates English and Social Studies into a meaningful curriculum based on one of three (3) course offerings. It provides a sense of closure to the senior year and a directed transition to the next step of professional development.

Enrollment in the New Program is competitive and a separate application process if required.

Courses Offered

- **Medical Professions - 0835**
- **Criminal Justice – 0836**
- **Engineering Professions –**

Student Eligibility Requirements

The New Vision student must:

1. Be a Senior from an OCM BOCES component district.
2. Have demonstrated an interest and desire to learn about the career area and intend to pursue studies at the college level.
3. Be academically sound and have met graduation requirements prior to acceptance into the program. In some cases, a student is permitted to complete additional requirements while participating in New Vision.
4. Exhibit a high level of responsibility and maturity with the ability to work in a team, as well as independently. The New Vision student represents the home school, OCM BOCES, and the sponsoring agency as well.
5. Be conscientious and highly motivated to succeed.
6. Enrollment in the New Vision Program is competitive and a separate application process is required.