



Course Guide

**DeRuyter Central School
High School Course Information**

2022-2023

PURPOSE

This course handbook has been prepared to provide information regarding graduation requirements and course offerings at DeRuyter Central School. The intent is to make it possible for students and parents to plan a program which will best serve each student's goals and ambitions.

PLANNING YOUR ACADEMIC PROGRAM

When planning your academic program, careful consideration should be given to:

- satisfying requirements for graduation
- your future educational and higher education plans
- broadening your personal and career options

Each year, the school counselor will meet with you to discuss future plans and to help you select appropriate courses for the following year. Teacher recommendations and parental input may also be sought.

DeRuyter Central School currently offers a variety of diplomas: Local, Regents, Regents with Honors, Regents with Advanced Designation and Regents with Advanced Designation with Honors with Math and/or Science. The IEP Diploma is no longer available. Regardless of the diploma type, **all students are required to take a minimum of five courses each semester in addition to Physical Education.**

Each year a number of changes take place in the curriculum. The New York State Education Department may establish new mandates. Some courses are offered on alternate years, other courses are not offered because of insufficient registration. New elective courses are added from time to time. Your School Counselor will have this information for students who may be affected.

COURSE SELECTION

The major departments in the school have listed their curricular offerings. Under each offering you will note that the course title, recommended grade, credit, length of course, and prerequisites are listed. A course carries one unit of credit if it meets for one block every other day for one school year and requires an equivalent amount of outside preparation. A course meeting every other day in a split block for one year will earn $\frac{1}{2}$ unit of credit. The courses offered through BOCES will carry three units of credit each year, with the exception of the New Visions Programs which carry four credits. Certain requirements for gaining credit in a course must be met. To receive Regents credit in the New York State program, you must pass the Regents exam and have a passing final average. Courses listed as prerequisites must be successfully completed prior to enrolling in that course. Check these prerequisites, as success in the course is often dependent upon previous success in the prerequisite course(s). Also remember to plan ahead so that you are not denied entrance to a particular course because you have failed to complete the prerequisite(s).

WHICH PATH IS BEST FOR ME

All students need to meet New York State graduation requirements. **It is your responsibility** to be sure that you have completed all the necessary courses and meet the Regents Examination(s) requirement. This depends on what you want to do after graduation. Most students who plan to attend college after high school follow the path leading to a Regents Diploma with Advanced Designation. Students who plan to attend a BOCES program typically follow the path leading to a Regents Diploma.

Students who are truly interested in a career and technical education program at BOCES should plan ahead. If a Regents student plans his/her program carefully from grade 8, it is possible for him/her to earn an Advanced Regents Diploma and attend BOCES. Those who are taking a less strenuous program are able to attend college after high school but they will enhance their qualifications if they choose to take more regents courses. Community colleges, in particular, have open admission policies and from a community college, it is possible to transfer to a four year college.

HOW DO I DECIDE?

As an 8th grader, you will meet with your school counselor to map out your “4 year plan”. Planning a general outline and discussing your plans after high school will help your school counselor to advise you with your course selections. The school counselor’s goal is to help you successfully complete high school and to provide guidance in selecting an appropriate academic program to prepare you for future education and career goals.

Each year, this outline will be reviewed with your counselor and changes can be made. Any decision made about your educational plan is an important one. Discussions at home, with teachers, and with your counselor will help to determine which path is best for you. Students need to be ready to take the initiative and accept the responsibility for planning their four year program.

COUNSELING AND GUIDANCE SERVICES

The Counseling office provides a variety of programs and sources to serve the students and families of DeRuyter Central School. Selected services include:

Counseling

- * individual counseling: personal, academic, program planning, career and social
- * college advisement and financial planning
- * small group counseling: self esteem, Intro to College Group, anger management, friendship, Grief and Loss, etc. (depending on need)
- *mediation for students and their peers

Coordination of Guidance Services

- * student registration and record maintenance
- * state mandated testing reporting
- * provide informational programs
- * College and career planning
- * assist with course selection and scheduling
- * discuss diploma options
- * parent/teacher conferences
- * classroom presentations

Consultation

- * cooperative process with parents, teachers, special education, administration, and school psychologist
- * community resource and referral services
- * Letters of recommendation and job references
- * College application assistance

NYS GRADUATION REQUIREMENTS

CLASSES OF 2023, 2024, 2025, 2026		
SUBJECT	REGENTS DIPLOMA Score 65 or above on all Required Regents Exams	ADVANCED REGENTS DIPLOMA
English	4Credits	4 Credits
Social Studies	4 Credits	4 Credits
Mathematics	3 Credits	3 Credits
Science	3 Credits	3 Credits
World Languages	1 Credits	3 Credits
Physical Education	2 Credits	2 Credits
Art or Music	1 Credit	1 Credit
Health	½ Credit	½ Credit
Electives	3 ½ Credits	1 ½ Credits
Total	22 Credits	22 Credits

*To earn advanced designation, the student **must** complete one of the following:

1. A language other than English (3 credits)
2. Career and Technical Education Program (5 credits)

NYS Assessment Requirements [All exams require a score of 65 or above]

**Regents Diploma
Required Regents Exams**
 English
 Math (one exam)
 Global History & Geography
 US History & Government
 Science (one exam)

**Regents with Adv. Designation Diploma
Required Regents Exams**
 English
 Algebra I, Geometry, and Algebra II
 Global History & Geography
 US History & Government
 2 Science (one Living Environment and one Physical Setting)
 World Language (local exam)

DIPLOMA & EXITING CREDENTIAL REQUIREMENTS

New York State Honors Program

Presented to students who achieve an average of 90 percent in all Regents exams required for the particular diploma-Regents or Advanced Designation. This honor is imprinted as “with Honors” on a seal to be affixed to the diploma.

New York State Mastery in Math Endorsement

Students who meet requirements for an Advanced Regents Diploma and who pass with a score of 85 or better on three Regents examinations in math will earn an annotation on the diploma that denotes Mastery in Math.

New York State Mastery in Science Endorsement

Students who meet recognition for attaining a high level of proficiency in listening, speaking, reading, and writing in one or more languages, in addition to English. Students must apply and earn credit for both languages in accordance with the New York State Seal of Biliteracy Handbook.

Local Diploma

A local diploma may be granted to students with formalized Individual Education Plans (IEP). Successful completion of state exam is required. Safety Net and Compensatory option is available for students with disabilities.

CDOS Commencement Endorsement

This endorsement can be used by students to either supplement their earned high school diploma or serve as an additional credential for students with a documented disability who are unable to earn a high school diploma.

Skills and Achievement Commencement Credential

An alternate credential for students with severe disabilities who have been instructed and assessed based on alternate achievement standards.

4+1 Pathway Option

Students must take and pass **four** required regents exams or department approved alternative assessments (one in each of the following subjects: English Language Arts, Mathematics, Science, and Social Studies) and complete a comparable rigorous pathway to meet the fifth assessment requirement for graduation.

Humanities Pathway	Second Social Studies exam of Department Approved Alternative
STEM Pathway	Second Math or Science exam of Department Approved Alternative
CTE Pathway	Completion of State-Approved Career and Technical Education Program and Industry Based Assessment
CDOS Pathway	Complete the requirements for Option 1 or Option II of the Occupational Studies Commencement Credential

ACADEMIC POLICIES & PROGRAMS

COURSE CHANGES, COURSE ADS & COURSE DROPS

Careful planning goes into the construction of a student's schedule. Therefore, course changes, adds, drops are not permitted arbitrarily. However, in some instances, changes in program may be the best alternative for the student. If this is the case, changes, adds or drops may be initiated by the student through the counselor and will include parent and teacher participation. When the student talks with the counselor about the proposed change, if appropriate, the counselor gives the student a schedule change form which must be signed by the parent, teacher, student, principal and counselor. The student must continue to attend his/her class until the signed form has been returned and the counselor has officially modified the schedule.

Every student is required to carry 5 ½ credits including Physical Education and no course may be dropped if it leaves a student enrolled in fewer than 5 ½ credits. Changes to schedules must be made by the end of the first week of school.

Students who choose to drop courses after the first week of school:

- Must have a valid reason for dropping
- May not drop prior to the 5th week of the marking period (with the exception of changes made by the end of the first week of school)
- May not drop a course after the 10th week of marking period (on an individual basis, courses may be dropped at the Principal's discretion)

- A "Request for Schedule Change" form is completed properly and meets the approval of parents, teachers, principal and guidance. If a course is dropped after the first 10 weeks, then a "Drop" will be reflected on their report card and transcript.

CALCULATION OF COURSES

Grade Point Average (G.P.A.)

At the end of each marking period, a grade point average is calculated by averaging each grade with the frequency of the class meeting – for example, a class that meets alternate days will count half as much as a class that meets daily.

Cumulative of Grade Point Averages:

At the end of the Junior year Cumulative Grade Point Averages (CGPA) is calculated. Grades for honor classes will be weighted 1.05 and advanced placement/concurrent enrollment classes will be weighted 1.10.

Weighted averages will be used when calculating Valedictorian and Salutatorian, honor roll, National Honor Society selection, and class rank.

College level, Concurrent Credit Courses

These courses may not be offered every year so please work with your counselor to plan ahead.

Pre-Calculus	Marketing
Calculus	COA (Presentation and Software)
Accounting	Physics
College Algebra and Trigonometry	Business/Sports Management

Advanced Placement (AP) Courses

AP English Literature & Composition
US Government & Politics

ON-LINE COURSES

COLLEGE LEVEL COURSES

By the time they reach their senior year, many students are ready for the challenge of college level work. Courses offering such work allow the students to make the academic transition to a higher level without having to make other social and emotional adjustments, thus easing their transition to college life. This experience also allows an opportunity for students to test their skills and discipline within the framework of college expectations. It may allow students to acquire sufficient college credits to accelerate their college programs if enough courses are successfully completed and accepted by their colleges.

PLACEMENT AND CREDIT – Colleges may grant credit and/or advanced standing. Certain courses are college level in that they make it possible for a student to score high enough on an exam, given at the college, to gain advanced standing or placement, by passing the intro level course. Each college has its own policy; consult the Admissions Office for information.

CONCURRENT ENROLLMENT COURSES – College level courses are taught at the high school by high school faculty members who are also adjunct instructors with the respective college or university academic department. Students wishing to earn college credit through TC3 do not have to pay tuition to the college and are concurrently enrolled. Instruction, materials and testing are similar to on-campus classes. Supervision of the programs is maintained by faculty of the respective college. Concurrent enrollment courses are offered through TC3 (Tompkins Cortland Community College).

On-Line Courses

All costs incurred are the sole responsibility of the student.

Credit from an on-line course may be earned by a student enrolled at DeRuyter Central School only if:

- The course is not offered at DeRuyter central School and
 - No appropriate course is available in the curriculum area
- OR
- The course will serve as a supplement to extended homebound instruction related to a health-related or disabling condition
 - The student has been expelled from the regular school setting, but educational services are to be continued.

In all cases approval for such an on-line course must be granted by the appropriate teacher, Guidance Office, and the Principal.

Students applying for permission to take an on-line course will do the following:

- Complete pre-requisites, possess a minimum GPA of 85, and provide teacher/counselor recommendations to confirm the student possesses the maturity level needed to function effectively in an on-line learning environment;
- Obtain written approval of the Principal before enrolling in an on-line course;
- Adhere to the DeRuyter Central School code of conduct to include rules of behavior and consequences for violations;

Post-Completion

- On-line courses will appear on the student's transcript but will not be counted towards GPA.

HIGH SCHOOL INFORMATION

New York State requires all students to pass Regents Exams before they may be awarded high school diplomas. Listed below are the minimum testing requirements in Grades 9-12:

<u>Grade Level</u>	<u>Exam Required</u>
9	Algebra I (CC)
9/10	Science Regents
10	Global History and Geography Regents
11	United States History Regents
11	English Regents

PROMOTION POLICY FOR GRADES 9, 10, 11, 12

In order for promotion to take place, students in Grades 9-12 must be in good academic standing.

A grade of 65 or better is required to receive a passing grade and course credit toward graduation. Any student who fails a class and/or Regents Exam will be encouraged to retake the course and/or exam in summer school. Outlined below are the criteria for classification at each grade level:

Grade 9 Satisfactory completion of 8th grade course work, and/or faculty recommendation and approval of Principal.

Grade 10 Satisfactory completion of 5 credits. (Including successful completion of Regents Exams)

Grade 11 Satisfactory completion of 11 credits. (Including successful completion of Regents Exams)

Grade 12 Satisfactory completion of 16 credits. (Including successful completion of Regents Exams)

SUMMER SCHOOL POLICY GRADES 9 - 12

It is strongly recommended that any student in grades 9-12 repeat failed course work and/or Regents Exams over the summer. Not all courses are available in summer school. Due to scheduling conflicts, if a student chooses not to repeat a course in summer school, there is no guarantee that the failed subject(s) can be worked into the following year's schedule. This may delay a student's graduation date.

SUMMER SCHOOL INFORMATION

Location:	To Be Announced
Sponsor:	OCM BOCES
Session Length:	6 weeks
Cost:	None
Transportation:	Provided by DCS

Registration forms are available in the Guidance Office and must be completed prior to registration deadline. Courses will be offered depending on enrollment and availability of instructors.

NOTE: Students who fail courses and/or Regents Exams will be contacted by phone before report cards are available in June. Please feel free to contact the Guidance Office if you have any questions.

Grades 9 - 12 COURSE OFFERINGS

ART	Studio Art	1 year	1 credit
	Advanced Art	1 year	½ - 1 credit
ENGLISH	English 9	1 year	1 credit
	English 10	1 year	1 credit
	English 11	1 year	1 credit
	English 12	1 year	1 credit
	English 12 Honors (<i>college credit</i>)	1 year	1 credit
	Public Speaking	½ year	½ credit
	Journalism	1 year	½ credit
FOREIGN LANGUAGES	Spanish I	1 year	1 credit
	Spanish II	1 year	1 credit
	Spanish III (<i>college credit</i>)	1 year	1 credit
	Spanish IV	1 year	½ credit
HEALTH	Health	½ - 1 year	½ credit
MATH	Algebra I (CC)	1 year	1 credit
	Geometry)CC)	1 year	1 credit
	Algebra 2	1 year	1 credit
	Pre-Calculus (<i>college credit</i>)	1 year	1 credit
	Calculus (<i>college credit</i>)	1 year	1 credit
	College Algebra (<i>college credit</i>)	1 year	½ -1 credit
	Personal Finance	½ year	½ credit
SCIENCE	Earth Science	1 year	1 credit
	Living Environment	1 year	1 credit
	Chemistry	1 year	1 credit
	Physical Science	1 year	1 credit
	Forensics	1 year	1 credit
SOCIAL STUDIES	Global History & Geography I	1 year	1 credit
	Global History & Geography II	1 year	1 credit
	US History & Gov't	1 year	1 credit
	Participation in Government	1 year	1 credit
	Economics	½ year	½ credit
	Nat'l US Government Honors	1 year	1 credit
	Journalism	1 year	½ -1 credit
	Economics Honors	½ year	½ credit
PHYSICAL EDUCATION		1 year	½ credit
MUSIC	9-12 Concert Band	1 year	½ credit
	9-12 Concert Chorus	1 year	½ credit
	9-12 Select Chorus	1 year	½ credit
	Beginning/Adv. Piano	1 year	½ credit

OCCUPATIONAL EDUCATION

AGRICULTURE	Basic Agriculture & Tech	1 year	1 credit
	Advanced Agriculture Science	1 year	½ -1 credit
	Horticulture	½ year	½ - credit
	Animal Science	½ year	½ credit
	Supervised Agricultural Experience (SAE)	1 year	1 credit
BUSINESS	Banking & Finance Basics (<i>college credit</i>)	1 year	1 credit
	Career & Financial Management	1 year	1 credit
	Computer Operations/Applications. (<i>college credit</i>)	1 year	½ credit
	Marketing (<i>college credit</i>)	1 year	½ credit
	Business Law	1 year	½ credit
	Business Ownership & Mgmt. (<i>college credit</i>)	1 year	½ credit

High School Curriculum

ART

Studio Art - 1 year - 1 credit

This course is required of art majors and those continuing with Art. It is a beginning course covering the fundamentals of Art, design, color, form, perspective, and a variety of media. A notebook may be required.

*** Required course for a sequence in Art.*

Advanced Art - 1 year – ½ - 1 credit

The emphasis in each art class will vary depending somewhat on the students' interest and ability. The 40 week schedule will be divided up into two semesters. In each half, only a select amount of the mediums will be introduced. This will allow more time to explore that specific art form.

** Prerequisite - Studio Art*

ENGLISH

English 9 1 Year - 1 Credit

Students will engage in learning tasks that will emphasize State Standards reading, writing, language, and speaking and listening. Students will explore ways that audience, purpose and context shape oral communications, written communications, and media and technology. While emphasis is placed on communicating for purposes of personal expression, students also engage in meaningful communication for expressive, expository, argumentative and literacy purposes. Students will be expected to participate in online activities and communication to develop 21st Century skills and literacy.

English 10 1 Year - 1 Credit

Students will continue engaging in learning tasks that will emphasize State Standards reading, writing, language, and speaking and listening. Students will explore ways that audience, purpose, and context shape oral communication, written communication, and media and technology. While emphasis is placed on communicating for purposes of personal expressions, students also engage in meaningful communication for expressive, expository, argumentative, and literary purposes. Students will be expected to participate in online activities and communication to develop 21st Century skills and literacy.

English 11 1 year - 1 credit

Considered an introduction to American Literature and integrated with eleventh grade Social Studies themes. Through the reading of short stories, essays, dramas, poems, and novels students learn vocabulary, literary terms and thematic connections. These tools are necessary to build critical thinking skills and more sophisticated writing. The Comprehensive English Regents is administered in June.

English 12 1 year - 1 credit

One of the main objectives of this course is to ensure graduating seniors have the skills necessary to be independent learners. Students will examine a variety of texts (novels, poetry, film) and discuss from multiple perspectives (mythological, historical, sociological, psychological). A research paper may be a requisite part of this course.

Included in English 11 & English 12 Honors:

English 12 Honors

Academic Writing I - 1 year - 1 credit - 3 College Credits (ENGL10)

This is the first of a two-course sequence of academic writing. Students learn how to write a variety of essays (i.e. summaries, critiques, synthesis, etc.) They review grammar and basic writing skills, learn an effective writing process, begin to engage and respond to academic texts, and are introduced to research and documentation of sources appropriate for introductory-level college essays.

Academic Writing II - 1 year - 1 credit - 3 College Credits (ENGL101)

This is the second of a two-course sequence of academic writing. This course develops and refines student writing in an academic context. Students learn to write using a variety of formats and sources (i.e. writing with data, exploratory/action plans, in-depth research, etc.) Students engage and respond to challenging texts as they develop critical thinking skills. They learn to support their ideas with credible, authoritative information from academic sources and to recognize audience, purpose, and bias.

Broadcast Media 1 year - 1/2 credit - College Credits (COMM115)

Students in Broadcast Media explore a variety of media and journalism techniques. They write for television, create and produce news shows, commercials and in-depth programs. Students are responsible for producing a daily program that includes school announcements, current school events and featured video stories. Students will also learn editing and polishing skills, technical aspects of broadcast production and speaking in a public form.

Journalism 1 year – ½ credit

Journalism is an experienced-based, “learn by doing” course open to 11-12 students. Student responsibilities include: design and layout for the Yearbook, editing, and sales. Students will learn to use the Jostens online design platform Layout Pro as well as other computing skills that are sought after in the job market. Interested students must be self-directed and able to work within the confines of a deadline.

Public Speaking 1 Year - 1/2 Credit 3 College Credits (ENG201)

In Public Speaking, students write and present a variety of speeches, including informative and persuasive speeches. An integral part of the course involves critiquing other students' presentations. Students also view and analyze famous speeches.

WORLD LANGUAGE

Language learning is an exciting and enjoyable addition to every student's academic courses; the only requirement is a willingness to open the mind to new culture and participate fully in learning how to communicate. All students can succeed in language learning. In a world where multi-cultural awareness and international business transactions are becoming more and more a part of our daily lives, we strongly urge all students to continue language learning throughout their learning years and beyond.

SPANISH

Spanish I 1 year - 1 credit

All the vocabulary from Spanish 8 is reviewed and expanded. Additional units and topics are introduced to meet the requirements of Checkpoint A as proscribed by New York State Standards. The vocabulary and proficiency is determined by the New York State syllabus. Grammar is introduced and Reading Comprehension is begun.

Spanish II 1 year - 1 credit

The vocabulary, culture and grammar of the previous two courses are reviewed and brought to a higher level of proficiency. In keeping with the New York State syllabus at Checkpoint B, the students can respond to oral and written stimuli with more fluency and a higher level of performance.

Spanish III 1 year - 1 credit - 3 College Credits (SPAN102)

The focus of this course is communicative competency at Checkpoint B as defined by the New York State Syllabus; pre-communicative competency is presupposed. Learning activities are designed to involve students in the four basic functions of communication; socializing, providing and obtaining information, expressing personal feelings and opinions, and persuading others to adopt a course of action. All activities are designed to facilitate the accomplishment of these goals in a manner which taps the creativity and imaginations of the students. The Comprehensive Exam in a Language other than English is the final exam. At the same time, this course is a dual college credit class with Tompkins Cortland Community College.

Spanish IV 1 year - 1 credit * Depends on availability - 3 College Credits (SPAN201)

The students progress to Checkpoint C as defined by the New York State syllabus. The students also study a Survey of Spanish literature through the ages. Current literature is studied through magazine and newspaper articles as well as contemporary short stories. Spanish history and culture as well as pronunciation rules and practice are emphasized. Also, immigration issues and the lives of Hispanics in the US is studied.

HEALTH

Health - Grades 9 - 12 ½ year – ½ credit

The course teaches various health skills that help promote healthy choices. The health skills include decision making, goal setting, communication skills, Time management and Stress management. Students will explore ways an individual can enhance their mental, social, and physical well-being to promote the quality of life for themselves and the significant others in their lives.

The course context deals with: (1) developing emotional/mental wellness throughout the life cycle, by learning strategies to manage stress and cope with life changes, (2) in-depth study of drug abuse and the drugs effects physically, socially, and culturally, including alcohol and tobacco products, (3) human sexuality including human reproduction, prenatal-early childhood development changes in the family, (4) AIDS education, (5) environmental issues, (6) a physical health unit which involves personal behavior change for nutritional outcomes as well as promotion and understanding of fitness and exercise physiology.

**Requirement for Graduation*

MATH

Algebra I - 1 year – 1 credit

This curriculum is based on the New York State Common Core Learning Standards for Algebra I. Algebra I is the first mathematics course in high school. Algebra I is the first mathematics course in high school of a three-year sequence. The course will continue to build upon the algebraic skills developed in prior mathematics classrooms. The major course of study will deal with functions. Students will learn how to write, solve and graph linear, quadratic, exponential, piecewise-linear, and absolute value functions. Other areas students will learn about include arithmetic and geometric sequences, polynomials, radicals, and descriptive statistics. Students will learn to use a graphing calculator to help expand upon their learning and knowledge. This curriculum will bring to light more real-life applications and stress understanding instead of memorization. The Common Core Regents Exam is given in June.

Geometry – 1 year – 1 credit

This curriculum is based on the New York State Common Core Learning Standards for Geometry. This is the second course in mathematics for high school students. Within this course, students will have the opportunity to make conjectures about geometric situations and prove in a variety of ways, both formal and informal, that their conclusion follows logically from their hypothesis. This course is meant to employ an integrated approach to the study of geometric relationships. Integrative synthetic, transformations and coordinate approaches to geometry, students justify geometric relationships and properties of geometric figures. Congruence and similarity of triangles will be established using appropriate theorems. Transformations including rotations, reflections, translations, and glide reflections and coordinate geometry will be used to establish and verify geometric relationships. Trigonometry relationships with right triangles will be established using the unit circle. It is intended that students will use traditional tools of compass and straightedge as well as dynamic geometry software that models those tools more efficiently and accurately, to assist in these investigations. The Common Core Geometry Regents exam is given in June.

Pre-requisite: Algebra Course and Regents Exam

Algebra II 1 year – 1 credit- 4 College Credits (MATH120)

Common Core Algebra II is the third course in mathematics for high school students. This course will continue to develop students' skills in investigation, discovery, reasoning, and applications of math. The following Algebra II topics include: Absolute Value Equations and Inequalities, Function Concepts and Graphs, Quadratics, Exponential and Logarithmic Functions and Equations, Radical and Complex Numbers, Rational Expressions and Equations, Polynomials, Sequence and Series, Statistics and Probability, Logic and Reasoning.

The following Trigonometry Topics include: Unit Circle, Functions, Equations, Inverses, Reciprocal Functions, Law of Sines and Cosines.

Prerequisite: Pass the Algebra I (CC) Regents with an 80. (recommended)

Personal Finance - 1/2 year - 1/2 credit - 3 College Credits (BUAD109)

This course addresses finance at a personal and practical level. Students examine current economic conditions focusing on how they can impact their personal economic situations. Ethics, personal management of cash, debt, credit, investments, insurance and home buying are examined.

College Algebra - 1/2 year - 1/2 credit - 4 college credits (MATH120)

The course will include a review of real numbers, rational expressions, polynomials, and graphing. The main topics include functions, graphing, complex numbers, algebraic equations, solving inequalities, exponential functions, and logarithmic functions.

Prerequisite: Pass the Integrated Algebra I Regents.

Pre-Calculus - 1/2 year – 1/2 credit - 4 college credits (MATH138) (optional)

This course is designed for higher level math students. Topics include mastering concepts relating to functions- polynomial, rational, exponential, logarithmic and trigonometric, analytic trigonometry, laws of sines and cosines, vectors, dot products and trigonometric form of complex numbers.

Prerequisite: Pass Algebra 2 & Trigonometry course.

Calculus I – 1 year –1 credit – 4 college credits Math 201 (optional)

This course is an elective for seniors who excelled in Algebra II. Calculus topics include: Finding Limits Graphically & Numerically, Evaluating Limits Analytically, Continuity and One-Sided Limits, Infinite Limits, Derivative & Tangent Line Problem, Basic Differentiation Rules & Rates of Change, Product & Quotient Rules & Higher-Order Derivatives. The Chain Rule, Implicit Differentiation, Related Rates, Extrema on an Interval, Rolle's Theorem & the Mean Value Theorem. Increasing & Decreasing Functions & the First Derivative Test. Concavity & the Second Derivative Test, Limits at Infinity, optimization Problems, Newton's Method (briefly), Differentials, Anti-derivatives & Indefinite Integration, Area, Riemann Sums & Definite Integrals. The Fundamental Theorem of Calculus, integration by Substitution, The Natural Logarithmic Function: Differentiation & Integration, Inverse Functions, Exponential Functions: Differentiation & Integration. Bases other than e & Applications, Inverse Trigonometric Functions: Differentiation & Integration and Hyperbolic Functions

Prerequisite: B or better in Algebra II or permission from the instructor. Passing the Algebra II course with an 80 or above and passing the regents with a 70 or above.

SCIENCE**Earth Science - 1 year - 1 credit**

The Regents Earth Science course includes elements of geology, astronomy and meteorology. Classes consist of practice, projects, lectures, and labs. Labs will be used as a tool to introduce the student to course content as well as reinforce content that is being explored in class. It is a state requirement that each student taking Regents Earth Science completes 1200 minutes of documentable laboratory work before taking the regents exam.

Living Environment - 1 year - 1 credit

Living Environment was developed with the New York State Regents Syllabus in mind. The emphasis of the course focuses on understanding the nature of scientific inquiry, critical analysis of data, and how worldview affects biological hypotheses and theories as they transition through time. Specific areas of investigation focus on the living world and include the characteristics of life, cellular structure and function, genetics, anatomy, physiology, classification, reproduction, evolution, and ecology. Students must complete 4 required State Labs and a total of 1200 lab minutes (~32 passed labs) to sit for the Regents Exam. Students who do not meet this requirement will not be permitted to take the exam.

Chemistry - 1 year - 1 credit

This Regents course is designed to help the student gain a basic understanding of Chemistry. The topics we discuss in class are based on matter (things that take up space) and the changes that it undergoes. With the successful completion of this course, it is hoped that the student will be able to use their knowledge along with tables and reference books to solve everyday chemical study at the college level. This course consists of lecture, practice, and hands-on labs.

Labs are designed to illustrate the concepts being discussed in class. Each student is required to complete 1200 minutes of documentable laboratory work.

Prerequisite: Algebra I (CC)

Physical Science - 1 year - 1 credit

Physical Science I involves the study of energy and matter and geology. The class runs for a single period everyday. This class allows students to learn the fundamental principles of Chemistry and Physics. Labs and projects will be done throughout the year to supplement the lessons. The class is primarily centered around hands-on, project based learning. Students are required to bring in materials from home for projects, do research outside of class time, and work collectively in teams or groups.

Principles of Biology II - 1/2 year - 1/2 credit 3 College Credits (BIO102)

Topics include mechanisms of Evolution and origin of Species, Evolutionary History and Biological Diversity, Prokaryotic and Eukaryotic Organisms, Botany, Plan Form and Function, Ecology and Ecological Principles, Primarily lecture and discussion based instruction. BIO 102 fulfills the SUNY General Education Natural Sciences Requirement.

Prerequisites: Three years successful Regents Science including Chemistry, Three Years Regents Math or equivalent or permission from the instructor. Previous attendance concerns, or current attendance concerns may preclude a student from participation in the class. Basic math skills are necessary as well as an understanding of chemistry, Students will need to be able to work independently with the text and in a laboratory setting as well as dedicate a significant amount of time to studying and reviewing concepts.

Environmental Science - 1/2 year - 1/2 credit 3 College Credits (ENVS101)

Environmental Science explores the biological dimensions of natural-resource management issues. A basic introduction to evolutionary and ecological principles help support discussions of topics such as human population dynamics, human health and toxicology, wildlife biology and management, food production, pest control, and maintenance of biodiversity. Both local and global issues are addressed. Intended for all students, regardless of major field of study. ENVS 101 fulfills SUNY General Education Natural Sciences requirements.

Prerequisites: Prior completion or concurrent enrollment in ENGL 100

Environmental Science Applications - ½ year - ½ credit 3 College Credits (ENVS102)

Environmental Science Applications aims to develop knowledge of sustainable practices, building on the knowledge gained in ENV 101. In this class, students will do community based projects, and discuss their place within environmental science on both a local and global scale.

Forensics - 1 year - 1/2 credit

Forensics is a science elective course for any 12th graders who ever had an interest in mysteries, detectives, true crime podcasts, or those CSI-type television shows. Dive into learning about various types of evidence and investigative techniques, ethical principles in service of the legal/judicial system, and standout criminal cases in popular fiction and real-life. This course includes plenty of discussions & informative videos, with bits of history, some hands-on activities, and maybe even a mock crime scene!

SOCIAL STUDIES**Global History and Geography I - 1 year - 1 credit**

This course is taken in the 9th grade. This course is designed to cover world history from the birth of early civilization to the year 1750. It is a chronological, cross-regional study of history in terms of the development of political, economic, and social systems and the conflicts that arise over time as a result of the diversity of people, their ideas, and their geographic surroundings. There is a mid term and a final examination composed by the instructor. Passing Global I Course is required for graduation.

Global History and Geography II - 1 year - 1 credit

This course is taken in the 10th grade. Students must pass Global 1 before they take this course. This course covers the historical developments in world history from 1750 to the Present. It is a chronological, cross-regional examination of the rapidly changing world that became increasingly

interdependent. This interdependence resulted in conflicting ideals, revolution and war, and efforts to bring about stability and peace in a world that can ill afford the consequences of hatred and intolerance. There is a mid term and a final exam composed by the instructor.

Students must also take the New York State Regents Examination, which serves as the final exam for this course. Passing the Global II course is required for graduation.

United States History and Government - 1 year - 1 credit

Grade 11 begins with the colonial and constitutional foundations of the United States and explores the government structure and functions written in the Constitution. The development of the nation and the political, social, and economic factors that led to the challenges our nation faces in the Civil War are addressed. Industrialization, urbanization, and the accompanying problems are examined, along with America's emergence as a world power, the two world wars of the 20th century, and the Cold War. Students explore the expansion of the federal government, the threat of terrorism, and the place of the United States in an increasingly globalized and interconnected world.

All Students must take and pass the New York State Regents Exam in order to fulfill graduation requirements.

Participation in Government: One Semester – 1/2 credit or 1 year – 1 credit
Economics: One Semester - 1/2 credit

A course of study in Economics & Government is mandated by the State of New York. Successful completion of both courses is required in order to receive a diploma. Participation in Government (PIG) and Economics 12 are two one-semester courses designed to provide students with a basic understanding of the functions and interaction of government and the economy in the United States.

Economics, the Enterprise System, and Finance: Economics, the Enterprise System, and Finance examines the principles of the United States free market economy in a global context. Students will examine their individual responsibility for managing their personal finances. Students will analyze the role of supply and demand in determining the prices individuals and businesses face in the product and factor markets, and the global nature of these markets. Students will study changes to the workforce in the United States, and the role of entrepreneurs in our economy, as well as the effects of globalization. Students will explore the challenges facing the United States free market economy in a global environment and various policy-making opportunities available to government to address these challenges.

Participation in Government: Students will study their role as citizens in American Democracy; the impact of public opinion and the media on the electoral process; the development of public policy; the function of government in the United States at the national, state and local levels; and the impact of U.S. foreign policy at home and abroad. Students will be required to fulfill specific requirements, which will allow them to observe and participate first-hand in the democratic process such as attendance at a governmental meeting, interviewing a public official and writing a letter to a public official.

American National Government 1/2 Year - 1/2 Credit 3 College Credits (POSC103)

The goal of this semester course is to help students acquire a working knowledge of the three branches of government in the American system and how these branches interact with state and local government, the citizenry, and foreign powers. We will examine the essential elements of the American constitutional system, the function of political parties, the concept of the federal system, the role of administrative agencies, the methods by which foreign affairs are conducted, and the manner in which conflicting ideals are resolved in a democratic system. The five units of study are as follows:

Unit One: The U.S. Constitution: Constitutional foundations, Principles (popular sovereignty, limited government, federalism, separation of powers, checks and balances and flexibility) and interpretation.

Unit Two: Civil Liberties and Civil Rights: the importance of the Bill of Rights, the 14th Amendment and the Courts to balance the power of government and the rights of individuals.

Unit Three: Political Participation: Students should understand how citizens acquire their knowledge and opinions about government and the avenues of participation available to them as well as the impact of the mass media on political behavior.

Unit Four: Institutions of Government: the interaction among the three branches and their interaction with state local government and foreign powers.

Unit Five: Public Policy: Students will research and analyze public policymaking as it relates to the economy, social welfare, healthcare, the environment and national security.

Pre-Requisite: 85 or higher on US History & Government Regents

Economics Honors: 1/2 year – 1/2 credit - 3 College Credits (ECON101)

This concurrent enrollment course is an introduction to macro and microeconomic theory emphasizing economic concepts and principles as tools in clarifying some of the major issues facing contemporary society, e.g., inflation, unemployment, international trade, health care, and the environment. Students will gain an understanding of the basic vocabulary, concepts and theories of micro and macroeconomics. Students will then use this understanding to investigate and analyze current social issues from an economic perspective.

ECON 101 fulfills the SUNY General Educational Social Sciences requirement and the NY State Graduation requirement for a high school course in Economics (half credit)

MUSIC

9-12 Concert Band - 1 year - 1/2 credit

9-12 Concert Band is open to all 9th-12th graders, upon the approval of the band director. Students play a variety of band literature including classical to popular songs. The main emphasis of the band is preparing and perfecting literature for understanding and performance. Aspects of learning include: technique on the instruments, tone quality, intonation, phrasing, sight reading and an understanding of the music.

Band members are scheduled for a weekly small group lesson which is also required attendance. Students must practice their instrument every week.

Music students are required to attend every band rehearsal and EVERY scheduled music department event including concerts and special performances.

9-12 Concert Chorus - 1 year - 1/2 credit

Chorus is open to any student who would like to participate. The main objectives of the class are that students will gain an understanding of good fundamentals of singing as well as concert etiquette. They will contribute in a positive manner to the group dynamic of a performing choral ensemble. Aspects of learning include vocal technique, tone quality, intonation, phrasing, sight reading, and musical understandings through appropriate rehearsal strategies. The music repertoire for this ensemble ranges from classical to modern at an appropriate level of difficulty. The only prerequisite to this class is a good attitude, acceptable rehearsal habits and a willingness to better oneself vocally. This class meets every other day.

Chorus students are required to attend rehearsals and every scheduled choral event, including concerts and special performances. With permission from the director, following the Holiday concert a student may join chorus for the remainder of the year.

9-12 Select Chorus - 1 year - 1/2 credit

Select Chorus is open to students in grades 9-12 after successful completion of an audition. Aspects of learning include advanced vocal technique, tone quality, intonation, phrasing, sight reading, and

musical understandings through appropriate rehearsal strategies. The repertoire for this ensemble ranges from classical to modern at an advanced level of difficulty. This class meets every other day. Select Chorus students are required to attend rehearsals and every scheduled choral event, including concerts and any special performances that may occur outside of the school day.

Prerequisite: Upon the approval of the chorus director.

Co-requisite: Students must be enrolled in 9-12 Concert Chorus during the same year as their participation in Select Chorus.

Piano Class - 1 year - 1/2 credit

Piano Class is open to students in Grades 9-12. No previous piano experience is needed.

Students will learn a variety of basic piano skills, music notation and will work on various pieces of piano literature while exploring different styles. This class meets every other day.

PHYSICAL EDUCATION

New York State Law requires all students to take a full year of physical education at each grade level. The physical education program at DeRuyter is designed to promote the physical, social, and emotional well-being of the students by offering them the widest range of activities and experience possible and providing more co-educational and life-time activities. By taking into account individual needs and interests, we hope to add to the overall interest, and enjoyment in the physical education program.

Grades 9-12 - 1 year - 1/2 credit

The emphasis in high school physical education classes is on life-time activities. We strive for the students to be fit, to feel good about themselves and to have fun. Grading in our co-educational setting is based on participation, skill & knowledge, testing, attitudes and effort.

OCCUPATIONAL EDUCATION

AGRICULTURE

Ag & Tech: 1 year - 1 credit

This course follows the New York State Plan closely. Production agriculture of both plant and animal products are covered. This course covers New York State Agriculture, United States Agriculture and International Agriculture. Several weeks are spent exploring careers in different fields of agriculture, and field trips are a large part of this unit. FFA leadership skills are further elaborated; agriculture mechanics (woodworking), agricultural business, the horticulture industry, animal science industry, small engines and maple syrup production are covered as well. Students enrolled in this class are expected to keep an SAE record book consisting of 10 hours per 10 weeks.

Horticulture: 1/2 year – 1/2 credit

In this course students will expand the horticultural, plant science topics. Students will focus on managing a greenhouse, caring for outdoor and indoor plants, discuss the differences of asexual and sexual reproduction of a plant, and run a school plant sale. All students enrolled in this class will take care of the plants in the greenhouse, advertise the annual plant sale and learn team work and team building through the management of the greenhouse. 20 hours per marking period of an SAE must be completed.

Prerequisite: Students need to have taken Basic Agriculture Science.

Animal Science: 1 Year - 1 credit

In this course students will expand the animal husbandry unit from the Basic Agriculture Science class. Students will focus on the care and nutrition of large and small animals. Students will gain an understanding of all large animals digestive system, skeletal system, reproductive system and be able to identify breeds and parts of animals. This class will focus on the animal industries throughout the county and the job opportunities within the large animal science industry.

Advanced Agriculture Science - 1 year – 1/2 - 1 credit

This course builds upon the content covered in Basic Agricultural Science. Following the state regents Action curriculum, there are 54 hours of required instruction in the following areas: 1) financial and operational records, 2) computer applications, and 3) labor and money management. Another 54 hours of instruction can be selected from four areas: animal science, plant science, business management, or mechanical science with instruction in shop safety, planning and construction of agriculture facilities, welding, agriculture tractor, equipment construction, operation and maintenance. The class also has the leading role in the operation of our modern maple syrup production facility.

Prerequisite: Basic Agriculture Science (Recommend Animal Science Course).

AgriBusiness 1 Year - 1 credit

This course introduces the fundamental concepts of agriculture business within the framework of how the agriculture industry operates and functions in a global economy. The course provides an overview of the economic theories associated with the production, consumption, and marketing of agricultural products as well as the policies designed to achieve efficiency and overall welfare goals in agriculture. Emphasis is on personal and corporate ethics, social responsibility, corporate strategy and decision-making, and human resource activities necessary to lead people in the corporate world in the twenty-first century.

BUSINESS

Principles of Marketing 1 Year - ½ Credit - 3 Credits (BUAD 204)

Students will learn basic marketing concepts and be able to apply to a and/or suggest a marketing approach to any given business situation. Of most importance, students will learn the value of collaboration and good team work with others as key to any successful marketing plan. The learning will be evidenced in classwork, discussions, assignments, group projects, case studies quizzes and tests. There is a great deal of hands-on marketing in the classroom, hallway bulletin board and library. If possible class time in a local store to learn facing, setting up plan-o-grams etc.

The course content includes but not limited to: Careers In Marketing, Marketing Concepts, Free Enterprise System, Applying Computer Technology to Marketing, World Economics, Business & Social Responsibility, The Domestic and Global Marketplaces, Fundamentals of Business Math, Communication & Interpersonal Skills, Promotion Process, Advertising Media, Publicity and Public Relations, Determining Product Need, Customer Relation Skills, Retail & Wholesale Math, Channels of Distribution, Marketing in a Business Plan.

Career & Financial Management 1 Year – 1 Credit

Class covers employee and employer relations, business management, personal finance, basic banking, economics. Class also helps students investigate possible careers and studies costs of student loans and responsibility of paying student loans back. Students learn about banking and money. Students will have access to the Stock Market Game as well to learn about investing in the stock market. The game runs until April and students are able to invest an imaginable portfolio of \$100,000. Student do real time trading as long as the stock market is open. The goal is for students to make good investing decisions to be able to some day invest real money in stocks to increase their wealth. Students are also using various technologies such as Google docs, sheets, draw, slides and sites. Microsoft products used are WORD, Excel, Power Point and Publisher. A student should expect to get some advanced learning in each of these softwares.

CAPS CLASS 1/2 Year - 4 Credits (4 College Credits CAPS100, 111, 121, 141)

This is an everyday class for ½ the year, students can earn college 1 credit in Keyboarding, 1 credit in word processing, 1 credit in spreadsheets, and 1 credit in presentations. The Keyboarding requirements have students learning proper finger positions and practice drills a final test of 30wpm and no more than 3 errors on a 5 min keying exercise will earn the 1 credit.

Word Processing - uses Google Doc and Microsoft WORD. Students learn how to key letters, memos and learn how to use Gmail. There are several keying assignments students must do all of the assignments and upload to google classroom for the 1 college credit

Presentation - Students use mainly Google Slides and learn how to incorporate animation to the pictures or text in their slide show. The use of colorful presentations is taught and how to loop a slide show. Student are shown Power Point and the different features as compared to Google Sheets. Student must be able to demonstrate the skill of being able to use animation and color for interesting and meaningful slide shows to earn the 1 college credit..

Spreadsheets - Students get experience with both Excel and Sheets and learn how to format cells, use alignment tools, create tables, graphs and learn how to use formulas for calculations. Students are shown and learn the simple differences between Google Sheets and Microsoft Excel. Students must be able to demonstrate the skill of using formulas, basic adding and average functions and inserting charts to earn the 1 college credit.

Accounting - college credit not available at this time but can be used as a math requirement
A course with no prerequisite where students develop an understanding of the principles and mechanics of accounting. Accounting is the language of business in terms of profit or loss. Recordkeeping is required to determine profit or loss. Students will be taught the whole process involved in recording financial transactions to determine a business's financial progress and financial condition in both a manual and Microsoft Excel Program. Using the standard debit and credit procedures, students will see how this logical system called accounting works to determine profit or loss, and provide decision making information to improve a business's financial picture. Students will find the skills learned here will serve them well either in further business studies or in their prospective job placement.

Banking and Financial Basics - 1 Year - 1 Credit - (3 College Credits)

Students will learn the concepts of Money & Banking and how it applies locally, nationally and internationally. Of most importance, students will learn the value of how good strategic planning, collaboration and teamwork are key elements to professional & personal success in financial markets. Learning will be evidenced in classwork, discussions, assignments, group projects, quizzes and tests. Class work will consist of but not limited to:

- The Origins of Money
- Basic Business Math Skills, both on calculator and manual
- Personal banking, deposits, checking & savings accounts
- Balancing personal accounts
- Use of Debit & Credit Cards
- Protecting your credit and digital footprint
- Calculating payroll, how deductions are made
- Bonds, how to calculate and types of bonds where to purchase
- Determining loan costs and how interest rates apply to loans
- Understanding what rebates are compared to mark down prices
- Money valuation, cost difference of today based on inflation
- The Federal Reserve System
- Calculate auto loans
- Calculate home loans
- Calculate personal loans
- Calculate costs for a rental apartment or house
- Use simulator program for learning how to make a budget
- Use simulator program to loan money and select the best loans
- Use simulator program for student loans for entire undergraduate
- Invest 100K using The Stock Market Game
- Prepare W 4 withholding forms, understand what a w2
- When/Why do employers use a 1099 form
- Students will also do at least one individual study project on a famous person in finance.

Business Law – 1 year -1/2 Credit pending college credit approval

Students will gain an understanding of the law as it relates to them currently and the implications of the law in their future lives as well as the lives of their family and friends. They will also work to gain an understanding of basic legal vocabulary. The course will include an understanding of the court system at the local, state and national level. Students will gain an understanding of contract law, their rights and responsibilities as citizens, utilization of financial transactions, employment and agency relationships and the understanding of the regulations governing different types of business organizations. As a culminating project, students will participate in one or more mock trials. This course is offered to seniors. Juniors may be considered with approval from the instructor

Business Ownership & Management - 1 year – 1 Credit - 3 College Credits

This Business/Sports Management course seeks to develop sound management skills within students, as management plays a role in any future employment opportunity. Students are able to analyze, synthesize, and evaluate data from the other functional areas of business (e.g., marketing, finance, accounting, and production) as well as focus on managing one's time and the time and talents of others. Students learn leadership skills and are able to select appropriate management styles. Students will be using sports and sporting venues as the major themes in developing their management skills and styles. This course is offered to seniors. Juniors may be considered with approval from the instructor. Students have the option of signing up for the college dual credits for this course if they meet eligibility requirements.

BOCES CAREER & TECHNICAL EDUCATION PROGRAMS

What do the letters B-O-C-E-S stand for?

The Board of Cooperative Educational Services was established by the New York State Education Department to provide services to local school districts that they cannot provide alone. One important provision is Career and Technical Education.

What is Career and Technical Education (CTE)?

Career and Technical Education is learning the knowledge and skills necessary to become a skilled worker in a chosen occupation.

No matter how you plan to earn a living, all jobs require some special knowledge and skills. Some students obtain this training after high school, in college, some in apprenticeship programs, and some in high school at the McEvoy Career and Technical Education Campus in Cortland.

When should I go to the McEvoy Career and Technical Education Campus?

You should plan to attend during your junior and senior year of high school. You should plan your four (4) year high school schedule carefully to allow yourself the opportunity to attend if you desire.

Will I still have my high school friends?

Yes! You will be attending the McEvoy Campus for only a half day. You will have your lunch at your home school and pursue your academic courses there as well. You will also have the opportunity to be involved in organizations not available to you at your home school and will have the opportunity to make many new friends from other area schools.

How many units of credit do I get for a Career and Technical Education course?

For each year completed satisfactorily, you will receive three units of credit. One year (3 units) of CTE will meet the requirements of one 3 unit sequence. Two years (6 units) of CTE will meet the requirements for a 5 unit sequence. The 3rd math credit one year and 3rd science credit the other year will be granted.

Can I still attend college if I take a CTE course?

Yes! Approximately 45-55% of the graduates from the McEvoy Career and Technical Education Campus continue with some form of post-secondary education. Many students who continue their education find that their career and technical course gave them an excellent preparation for college. In addition, selected career and technical courses offer college credits for those students who successfully complete their program.

Can I still get a Regents with Advanced Designation diploma if I take a career and technical course?

Yes! If you pass your Algebra, Geometry and Algebra & Trigonometry courses and Regents and other required regents courses. However, due to the changes resulting from the New York Education Department, it takes careful planning on your part and that of your school counselor to earn a Regents with Advanced Designation diploma.

How can I find out more about the courses at the McEvoy Campus?

The best way is to arrange a visit to the campus is through your School counselor. This will give you the opportunity to view for yourself what the programs are really like. You should also pick up information in the guidance office as well as talk with students from your school who are presently attending courses at BOCES. You will get an in-depth look at the various programs during the 10th grade visit in early Spring.

How do I sign up for program at the McEvoy Campus?

Discuss your interests with your school counselor. They will see that you become enrolled in a program that matches your interest and abilities. New York State Educational Law guarantees all high school students the opportunity to enroll in a CTE course.

CAREER TECHNICAL EDUCATION PROGRAMS

AUTO COLLISION TECHNOLOGY
AUTO TECHNOLOGY
HEALTH OCCUPATIONS
CONSTRUCTION TECHNOLOGY
CULINARY ARTS
HEAVY EQUIPMENT

GRAPHIC COMMUNICATIONS
COSMETOLOGY
COMPUTER TECHNOLOGY
WELDING
EARLY CHILDHOOD EDUCATION
PHYSICAL THERAPY PROFESSIONS

NEW VISION PROGRAMS FOR HIGH SCHOOL SENIORS: - New Vision is an exciting approach to program delivery for the senior year of high school. The program places students in the actual working environment of the career area they are most interested in pursuing. The purpose of the New Vision program is to give students a sense of closure to their high school education and a directed transition to their next level of professional development.

HEALTH CAREERS - Is a total immersion experience in the field of Health Care. Students explore all career opportunities with in the hospital. Students spend 3 1/2 to 4 hours of their school day on rotation or in class at Cortland Memorial Hospital. Program offers 4 credits toward graduation which include Health Careers, Human Anatomy and Physiology, Government and Economics and English 12.

Course prerequisites: school counselor and teacher recommendations, junior year requirements completed, three years of math and science completed, good academic standing (B+ average or higher), completed application, interest in a Health related profession, good communication skills, and demonstrated maturity and ability to work both independently and in teams.

Health Occupations to observe: Pharmacist, Physicians, Ultra sonographers, Physical Therapists, Occupational Therapists, Respiratory Therapist, Recreational Therapists, X-ray Technician, Nurses and many others.

ENVIRONMENTAL SCIENCE CAREERS - This program consists of modules of instruction in six specific areas in environmental science: forestry, fish and wildlife, environmental issues, soil and water, land use and outdoor recreation. This program is conducted at the Tunison Labs in Cortland. Students could receive four credit hours toward graduation which include English 12, Government and Economics, and 2 credits in Environmental Science.