

2022-23

Northern Bedford County

High School



COURSE SELECTION GUIDE

The mission of the Northern Bedford County School District is to uphold high standards to educate each student to be a responsible member of a global society.

NORTHERN BEDFORD COUNTY HIGH SCHOOL
152 NBC DRIVE, LOYSBURG, PA 16659
814-766-2221
WWW.NBCSD.ORG

Northern Bedford County High School

Course Selection Guide

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NORTHERN BEDFORD COUNTY HIGH SCHOOL

COURSE SELECTION GUIDE

INTRODUCTION

The *Course Selection Guide* has been designed to help you, the Northern Bedford student, and your parents understand the process of choosing a program of study and selecting courses. You are encouraged to carefully review the information provided and refer to it as you schedule. Your school counselors, teachers, and administrators are also available to help you with this process. The *Course Selection Guide* is also located on the district's website (www.nbcsd.org) under Guidance.

COURSE SELECTION PROCESS: AN OVERVIEW

For incoming freshman, the course selection process begins during the second semester of the grade 8 year. During Career Education classes students are introduced to the high school's graduation requirements, programs of study, and the scheduling process. An evening program for parents is also held. Students then complete individual course selection forms for grade 9. The final schedule for grade 9 is highly dependent on each student's final grades for grade 8 as well as the student's scores on state assessment exams.

Grade 9 students are required during the course scheduling process to choose a program of study which they begin in grade 10. They are encouraged to select the pathway that will prepare them with the education background and skills necessary to reach their desired career goals. Students choose from among Career and Technical Education (CTE) programs or a University Preparatory (UP) program. All students will learn more about these options by attending a group presentation and touring each CTE program. Additionally, students are provided the opportunity for career exploration through the Career Planning course. To start the scheduling process, students are given a program of study selection form which must be returned with a parent signature/approval. The school counselors then provide course selection forms to the students to complete their grade 10 schedules.

Once students have established a program of study the course selection process continues to follow the selected program for grades 11 and 12. Each year during the course selection process, students are provided with a copy of the courses they have chosen to take home and to discuss with parents. If parents desire a conference to discuss their child's course selection, academic progress, or career goals, one can be scheduled by contacting the School Counseling Office.

Student schedules are mailed early August and students are provided approximately one week to review the schedule and request any changes. Consideration of all schedule change requests is dependent on the ability to make the requested change by considering other course offerings, course prerequisites, curriculum program requirements, and teacher recommendations and/or approval. Final course schedules are approved by Administration.

GRADUATION REQUIREMENTS



In order to graduate from Northern Bedford High School, a student will demonstrate achievement of the academic standards under Chapter 4 and the academic standards required by the school district and specified in the Northern Bedford County School District's strategic plan. **The four areas are: Credit Requirements, Keystone Exams, Graduation (Senior) Project, and Career Portfolio.**

1. CREDIT REQUIREMENTS - The Northern Bedford County School District has specified in Policy No. 217, Graduation Requirements, the following as minimum graduation credit requirements for a standard high school diploma:

Career Technical Education – 28.5 total credits in grades 9-12 as follows:

- ◆ 4 credits of English
- ◆ 3 credits in Math, 3 credits in Science, and 3 credit in Social Studies; 2 credits of Math, Science, or Social Studies in grade 12; (Government/Economics is required)
- ◆ 2 credits of Arts and Humanities
- ◆ 2 credits of Physical Education
- ◆ .5 credits of Wellness (Health)
- ◆ .5 credits of Family and Consumer Science
- ◆ Elective credits as necessary to fulfill graduation requirements; CTE credits apply.
 - ✓ CTE students must pass their CTE program their senior year to meet graduation requirements
- ◆ .5 credits completed Graduation Project

University Preparatory – 28.5 total credits in grades 9-12 as follows:

- ◆ 4 credits of English
- ◆ 4 credits of Mathematics
- ◆ 4 credits of Science (a total of 4 science courses must be scheduled grades 9-12)
- ◆ 4 credits of Social Studies (Government/Economics is required)
- ◆ 2 credits of Arts and Humanities
- ◆ 2 credits of Physical Education
- ◆ .5 credits of Wellness (Health)
- ◆ .5 credits of Family and Consumer Science
- ◆ Elective credits as necessary to fulfill graduation requirements.
 - ✓ All UP students are required to complete two years of the same world language as part of their elective requirements.
- ◆ .5 credits completed Graduation Project

2. KEYSTONE EXAMS – Students must demonstrate proficiency on all three Keystone exams – Algebra I, Literature, and Biology. Students not demonstrating proficiency on the state assessments prior to their senior year must continue to work towards proficiency following State approved pathways.

The four additional State approved pathways include: 1) attaining a Keystone Composite Score of 4452 or higher on the 3 Keystone Exams while scoring at least proficient on one exam and no less than basic on the other two; 2) an Alternate Assessment Pathway; 3) an Evidenced Based Pathway; or 4) a CTE Pathway.

3. GRADUATION (Senior) PROJECT - Seniors shall complete a project in volunteer/servant leadership, unpaid job shadowing, or a career-based project. The project proposal is submitted during the second semester of the junior year and must be in addition to any assignment or class requirement. The project must include a written log, documentation verifying the completion of at least 25 hours of involvement, a written paper, and a four to six-minute presentation.

4. CAREER PORTFOLIO - To be eligible for grade promotion and graduation, students must complete the components of Chapter 339's Career Portfolio each school year. The Career Portfolio, a requirement of the Pennsylvania Academic Standards for Career Education and Work, has four standards: (1) Career Preparation, (2) Career Acquisition, (3) Career Retention, and (4) Entrepreneurship. The Career Portfolio will be monitored through the School Counseling Department to assure that all requirements are being met and documented.

GRADE PROMOTION

Grade Promotion - Students must earn the following cumulative credit requirements in order to be promoted to the next grade level:

<u>Grade 10</u> 6 credits must be earned by the end of grade 9.	<u>Grade 11</u> 13 credits must be earned by the end of grade 10.	<u>Grade 12</u> 20 credits must be earned by the end of grade 11.
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- Students who fail to meet these requirements will initially be retained.
- Students will be provided with information regarding remediation courses and credit options from the school counselors. These options are usually in the form of completing summer school and/or completing online remediation courses by school-approved providers.
- If a student completes and passes the necessary remediation coursework to make-up the failed credits, they will advance to the next grade level.
- If a student does not complete or pass the necessary remediation coursework, then they will be retained in the previous grade.

GRADING

The Grading Process – Numeric grades are assigned by the teachers according to the following scale:

Superior	94-100
Above Average	87-93
Average	78-86
Danger	70-77
Failing	Below 70
Passing on Effort	S
Incomplete	I

Grade Point Average (GPA) and Class Rank:

- All courses that receive a numeric grade and are attempted in grades 9-12 are used to determine Grade Point Average (GPA) and class rank. The class rank is the academic achievement attained by a student relative to the other students in the grade.
 - ✓ The GPA is shown as a percentage number.
 - ✓ The final GPA and class rank for each student is calculated and shown on the final year transcript which is part of the Permanent Record.
- All courses with a percentage grade are included in the GPA and the credit value of the course (i.e. .25, .5, 1, 1.5) is considered in the calculation.
- Students are ranked within the year of graduation (YOG).
- Courses are considered standard or weighted.

Weighted Grading:

- Weighted grades will be used for GPA and ranking purposes.
- Weighted grades do not appear on the report card.
- Weighted grades appear in the GPA calculation only.
- Students must pass with a final un-weighted grade of 70 to be eligible for the weighted points.
- All courses designated as weighted will receive a 1.10 weighting.
 - ✓ For example, a student that receives an 88 in a weighted course will have 8.8 points added to the final grade. So the final weighted grade will be 96.8.
- The following courses* are subject to weighted grading: Honors: Honors English 10, Honors English 11, Honors Biology, Honors Chemistry, Honors Physics

*Courses may be added/removed from this list at any time at the decision of the high school Principal and district administration

Status of Non-NBC Courses for Grading or Credit Purposes:

- Courses taken outside the high school program are not included in the grading and ranking system. Students already receive grades directly from these other educational programs under their program's grading system. These may include but are not limited to courses transferred in from another school/educational institution, summer school, enrichment programs, online courses – including online AP courses, independent study courses, and college/university courses.
- With prior approval, however, students can receive course credit from non-NBC courses to help meet graduation credit requirements.

PROGRAMS OF STUDY

The program offerings that are available to students to select beginning with grade 10 are divided into two areas: **Career and Technical Education (CTE)** and **University Preparatory (UP)**.

The **Career and Technical Education** pathway prepares students for employment after high school and/or continued education at a post-secondary school or college. Students can select from the following CTE programs: Agriculture, Automotive Technology, Building Construction Occupations, or Horticulture. To be considered a full-time CTE student, students schedule three periods a day in their selected program and continue in it through grade 12. CTE students are required to maintain membership in a related co-curricular club as an integral part of their academic program, which can include paying necessary dues and participating in activities of the organization. CTE selections are also available from the Bedford County Technical Center on a space-available basis.

The **University Preparatory** pathway prepares students for the traditional two-year or four-year college/university. Preparation is for careers that require the Associate, Bachelor, or higher professional degree. In the grade 12 year students can choose to participate in the Early College program to support their education goals.

All students, whether CTE or UP, are encouraged to select electives from curriculum areas other than their major area of study as their schedule permits.

CAREER and TECHNICAL EDUCATION (CTE) Student Schedule Schedule 8 of 9 periods

9 th		10 th		11 th		12 th		
Class	Credits	Class	Credits	Class	Credits	Class	Credits	
English	1	English	1	English	1	English	1	
Math	1	Math	1	Math	1	Math	2	
Science	1 or 1.5	Science	1	Science	1	Science		
Social Studies	1	Social Studies	1	Social Studies	1	Social Studies		
PE Art/Music*	.5 .25/.25	PE Wellness	.5 .5	PE CEW Skills 11	.5 .5	PE FACS	.5 .5	
Reading or World Language	1	CTE	1	CTE	1	CTE	1	
Driver Ed. CEW Skills 9 Business 9 STEM 9	.25 .25 .25 .25	CTE	1	CTE	1	CTE	1	
Elective	1	CTE	1	CTE	1	CTE	1	
							Grad. Project	.5

*Students who have band in grade 9 will be scheduled for Instrumental Class instead of Art/Music.

UNIVERSITY PREPARATORY (UP) Student Schedule

Schedule 8 of 9 periods

9 th		10 th		11 th		12 th	
Class	Credits	Class	Credits	Class	Credits	Class	Credits
English	1	English	1	English	1	English	1
Math	1	Math	1	Math	1	Math	1
Science	1 or 1.5	Science	1 or 1.5	Science	1 or 1.5	Science	1 or 1.5
Social Studies	1	Social Studies	1	Social Studies	1	Social Studies	1
PE	.5	PE	.5	PE	.5	PE	.5
Art/Music*	.25/.25	Wellness	.5	CEW Skills 11	.5	FACS	.5
Reading or World Language**	1	World Language**	1	Elective	1	Elective	1
Driver Ed.	.25						
CEW Skills 9	.25	Elective	1	Elective	1	Elective	1
Business 9	.25						
STEM 9	.25						
Elective	1	Elective	1	Elective	1	Elective	1
						Grad. Project	.5

*Students who have band in grade 9 will be scheduled for Instrumental Class instead of Art/Music.

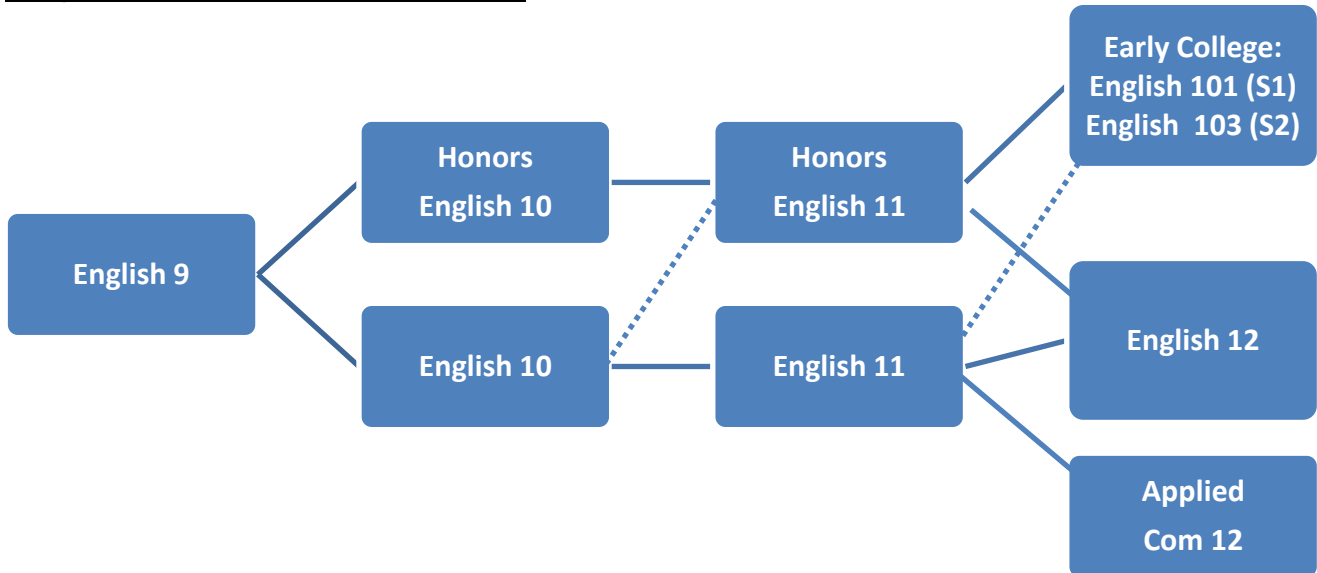
**Students must complete a minimum of two consecutive years of a World Language; if reading is scheduled in Grade 9 then the World Language requirement must be met in Grades 10, 11 or 12.

Equal Opportunity Education Institution

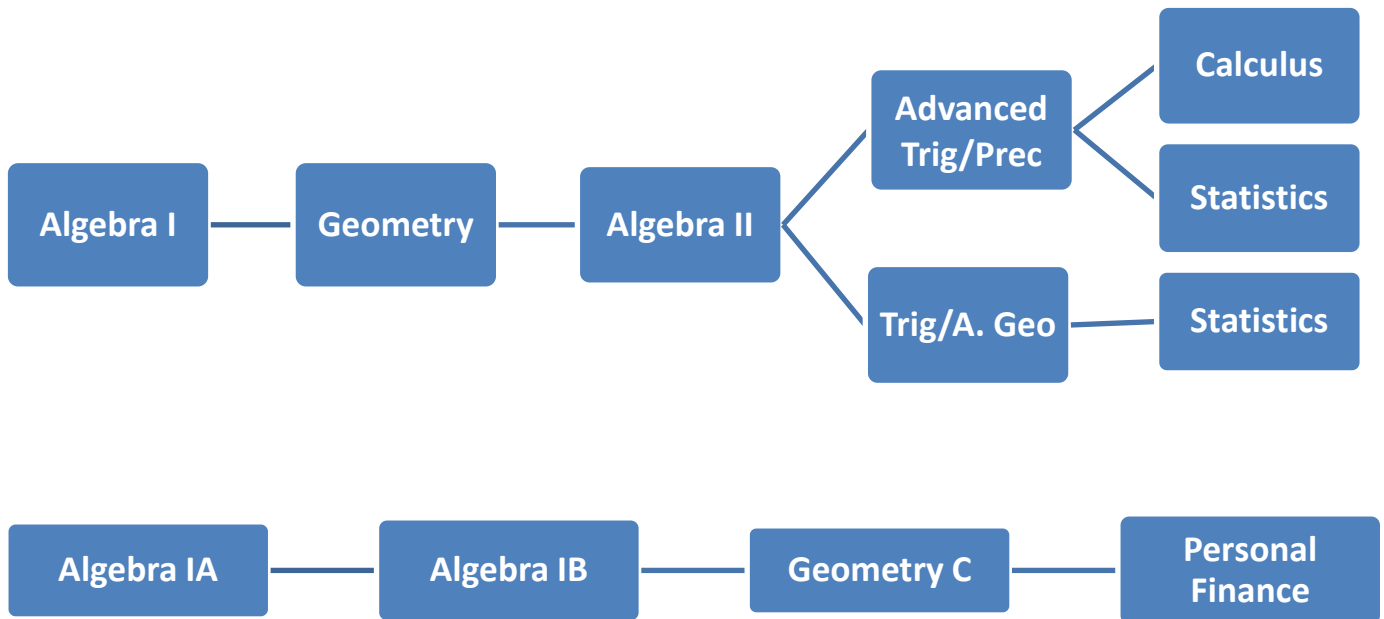
Northern Bedford County School District is an equal opportunity education institution and will not discriminate on the basis of race, color, national origin, sex, and handicap in its activities, programs, or employment practices as required by Title VI, Title IX, and Section 504. For information regarding civil rights or grievance procedures, contact Trevor Replogle, or Wayne Sherlock Title IX coordinators, or Todd Beatty, sec. 504 coordinator, at 152 NBC Drive, Loysburg, PA 16659 (814) 766-2221. For information regarding services, activities and facilities that are accessible to and useable by handicapped persons, contact the District Superintendent at the above address or telephone number.

ACADEMICS - SCOPE AND SEQUENCE

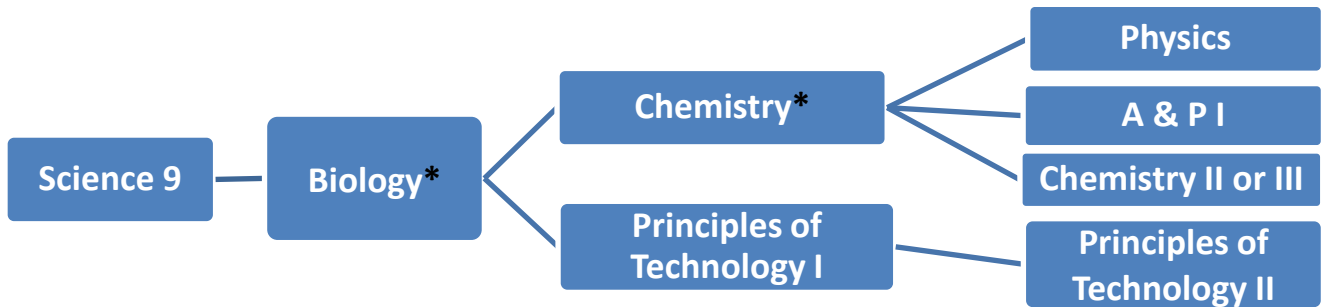
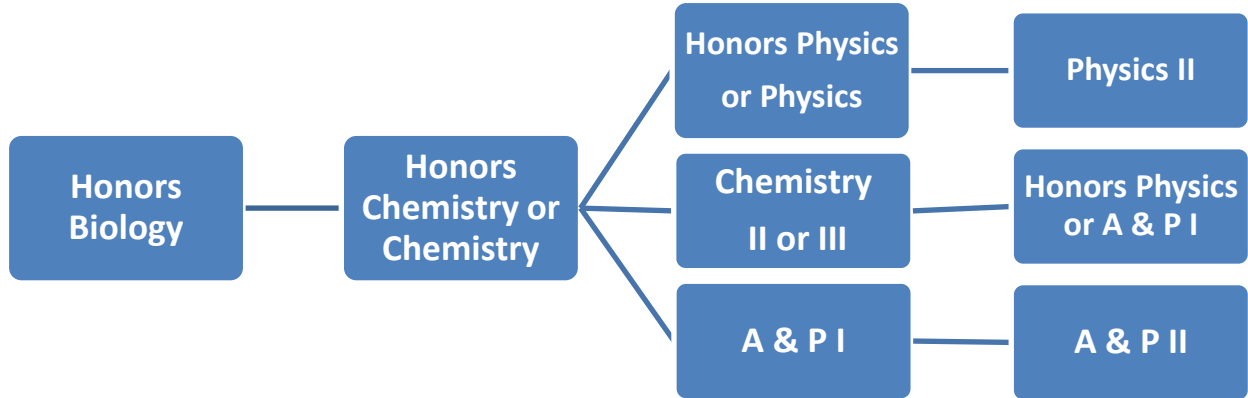
English Scope and Sequence



Mathematics Scope and Sequence

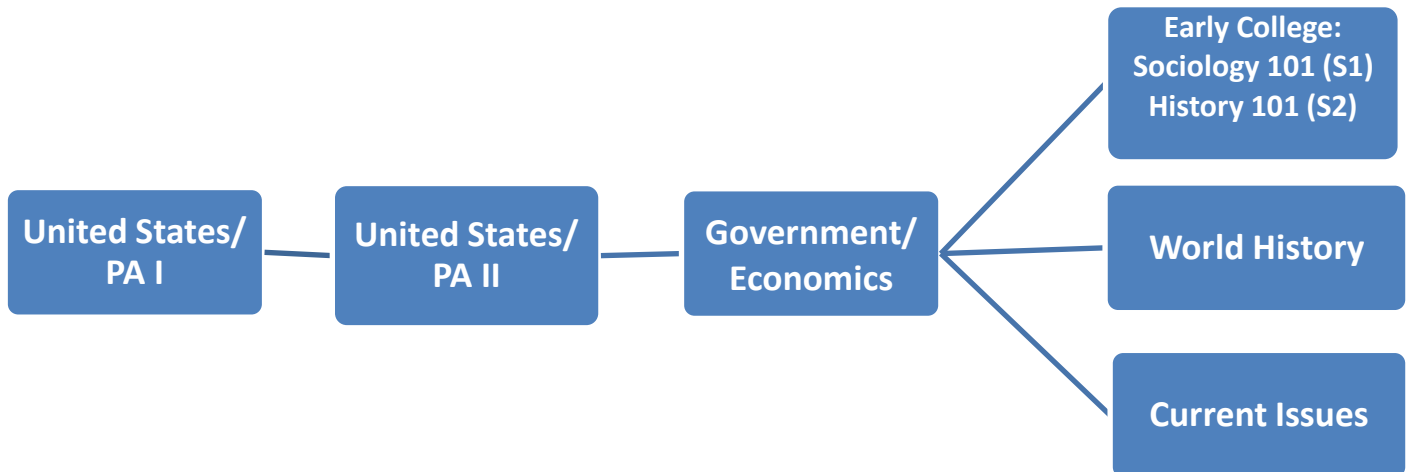


Science Scope and Sequence



*students can advance to Honors Biology, Honors Chemistry (or any other science) if prerequisites are met.

Social Studies Scope and Sequence



COURSE DESCRIPTIONS

ENGLISH CURRICULUM

English 9 will include instruction in writing, reading, vocabulary, grammar, and speaking. The class will emphasize improvement in writing mechanics, style, and structure. The class will also challenge the students to become better readers of grade level and above grade level text, and to better comprehend and analyze text.

Prerequisite: None

Credit: 1

Reading 9 is a reading course which utilizes the Read 180 reading program by Scholastic. This program has three segments: guided and independent reading, instructional software, and whole group/small group instruction. In guided and independent reading, students make reading selections, read independently, and complete activities based on their reading. In instructional software, students work with the Read 180 computer program on reading skills, work recognition and spelling. In group instruction, students use their textbook to practice reading skills, learn vocabulary and complete writing assignments.

Prerequisite: None

Credit: 1

English 10 is a course designed to prepare students for taking the Keystone examination and continuing on to post-secondary education or for entering into the workforce. Students will be required to read various types of short stories, poems, as well as selected novels with the purpose of analyzing, evaluating, interpreting, and explaining aspects of literature. Students will respond to literary text through writing and speaking assignments. Students will also enhance vocabulary through weekly lists, activities, and tests.

Prerequisite: English 9

Credit: 1

Honors English 10 is a course designed to challenge students through rigorous academic study preparing them to excel in subsequent high school courses as well as to take the SAT test and continue on to post-secondary education. Students will be required to read various types of literature with the purpose of analyzing, evaluating, interpreting and explaining aspects of literature. Students will respond to literary text through writing and speaking assignments. The amount of reading and writing for this course goes well beyond what is expected of students in the English 10 course. This course will also include a required summer reading list with assignments due at the beginning of the school year.

Prerequisite: Minimum 94% in English 9 or Teacher Recommendation

Credit: 1

English 11 is a course designed to prepare students for taking the SAT test and continuing on to post-secondary education or for entering into the workforce. Students will be required to read various types of American literature with the purpose of analyzing, evaluating, interpreting and explaining aspects of literature. Students will respond to literary text through writing assignments.

Prerequisite: English 10

Credit: 1

Honors English 11 is a course designed to challenge students through rigorous academic study preparing them to excel in subsequent high school courses as well as to take the SAT test and continue on to post-secondary education. Students will be required to read various types of American literature with the purpose of analyzing, evaluating, interpreting and explaining aspects of literature. Students will respond to literary text through writing and speaking assignments. The amount of reading and writing for this course goes well beyond what is expected of students in the English 11 course. This course will also include a required summer reading list with assignments due at the beginning of the school year.

Prerequisite: Minimum 94% in English 10 or teacher recommendation or Minimum 87% in Honors English 10 or Teacher Recommendation

Credit: 1

English 12 is the Grade 12 University Preparatory course that offers the student advance content relevant to college studies. Students will study grammar and usage; English literature; expository, creative, and research writing; and vocabulary development in relation to the literature. Resumes and letters of application projects are included in this course.

Prerequisite: English 11

Credit: 1

Applied Communications 12 is geared for students enrolled in CTE offering the student content relevant to the world of work. Students will study grammar and usage; English literature; expository and research writing; and vocabulary development in commonly used business and industry terms. Resumes, letters of application, and memorandum projects are included in this course.

Prerequisite: English 11

Credit: 1

Keystone Literature is a course designed to provide students with additional study prior to retaking the Keystone Literature test. Students will be offered this course if they do not demonstrate proficiency on the Keystone Literature examination. Keystone Literature is a non-credit course.

Prerequisite: None

Credit: 1

MATHEMATICS CURRICULUM

Algebra I strengthens student understanding and provides tools students need to succeed—from the first day the students learn the vocabulary of algebra until the day they take the final. Problem solving is introduced early and is integrated throughout. Reasoning skills such as analyzing information, making conjectures, and giving convincing arguments are developed throughout the course. The following concepts will be covered: understanding of variables and equations, working with rational numbers, solving equations and problems, operations with polynomials, data collection and interpretation, writing ratios and solving proportions, graphing linear equations, and writing equations of lines.

Prerequisite: Pre–Algebra

Credit: 1

Algebra IA emphasizes workplace applications by using integrated hands-on laboratory activities, cooperative learning experiences, and text materials. Problem solving is introduced early and is incorporated throughout the entire course. Students will study basic algebra concepts such as: signed numbers, absolute values, scientific notation, use of formulas, solving linear equations, graphing linear equations, and probability.

Prerequisite: Pre-Algebra

Credit: 1

Algebra IB continues the ideas and format presented in Algebra IA. The course will emphasize workplace applications by using integrated, hands-on activities, cooperative learning experiences and text materials. Students will study graphing (linear and nonlinear functions), statistics and probability, systems of equations, trigonometric functions and right triangle relationships. Additional topics include systems of equations, inequalities in one variable, polynomials, and factoring.

Prerequisite: Algebra IA

Credit: 1

Geometry is designed to teach students to reason mathematically. In this course, principles of logical reasoning are introduced early. Algebra and applications are embedded throughout the program as well as writing formal two-column proofs. The following concepts are covered: points, lines, planes, distance, midpoints, angle measure, and angle relationships. This course will have students proving two lines parallel and two triangles congruent. Bisectors, medians, altitudes, similar polygons and triangles, proportions, special right triangles, and the Pythagorean Theorem are also topics to be covered.

Prerequisite: Algebra I

Credit: 1

Geometry C continues with the concepts presented in the Algebra IA/B series. It is designed to employ interactive, real-world approaches to teaching the foundations of basic algebra and geometry. Abstract concepts will be taught using concrete experiences. Students will be engaged in hands-on activities, cooperative learning experiences, and textual materials as they build mathematical skills. Students will identify basic geometric figures, geometric measurement, special pairs of angles, properties of parallel and perpendicular lines, logical reasoning and formal two-column proofs, triangle properties, congruency between figures, and characteristics and formulas of polygons.

Prerequisite: Algebra IB

Credit: 1

Algebra II is a course that continues the ideas and concepts of Algebra I. Students will review the concepts: real numbers and their properties, equations in one variable and graphing linear equations. Students will learn new concepts such as: inequalities, absolute values, solving systems of linear equations, monomials, polynomials, factoring, radicals, the quadratic function, and probability and statistics.

Prerequisite: Geometry

Credit: 1

Trigonometry/Analytical Geometry is a one year course which continues and builds on the ideas presented in Algebra II. Students will review the concepts: real numbers and their properties, equations, monomials, polynomials, factoring, inequalities, absolute values, graphing linear equations, solving systems of equations, functions, and radicals. Students will learn new concepts such as: graphing quadratic functions, conic sections, points of intersections, trigonometric functions values, and graphs, trigonometric identities, equations, and proofs, and matrices.

Prerequisites: Algebra I, Geometry and Algebra II

Credit: 1

Advanced Trigonometry/PreCalculus is an accelerated course is a prerequisite course to Calculus. This course continues and expands the ideas of the algebras and geometries. Students will review the concepts of real numbers, their properties, equations, monomials, polynomials, factoring, inequalities, absolute values, graphing linear and non-linear equations, solving systems, functions, radicals, complex numbers, and quadratic functions. Students will learn new concepts such as conic sections, trigonometric functions (their graphs, and identities), binomial theorem, and limits. This course has been designed to allow students to take the college level calculus without doubling up in math courses during their junior year.

Prerequisites: Must have an A final average in Algebra II; Teacher Recommendation

Credit: 1

Statistics provides topics of study in probability and statistics, frequency distributions and graphical ways to analyze data, probability distributions, the normal distribution, sample size, and hypothesis testing. Interpretation of results and critical thinking skills will be applied to newly learned skills in a real world context. Problems show applications of statistics in a wide variety of contexts, giving an interesting way to explore and internalize statistical concepts.

Prerequisite: Trig/Analytical Geo. or AdvTrig/PreCalc; May be taken concurrently with Teacher Recommendation

Credit: 1

College Credit Opportunity: This course is an approved dual enrollment course with Saint Francis University as STAT 101 - Statistics (3 credits). Refer to section Special Programs for more information.

Calculus continues and expands the ideas of the algebras, geometries, and trigonometry. Students will review the concepts of real numbers, and their properties, equations, monomials, polynomials, factoring, inequalities, absolute values, graphing linear equations, solving systems of equations, functions, radicals, complex numbers, quadratic functions, graphing quadratic functions, conic sections, points of intersections, trigonometric functions, values, graphs, identities, and proofs (all in the first two weeks). Students will learn new concepts such as: the definition of the derivative rules and their applications, exponential and logarithmic functions, integration rules and their applications.

Prerequisite: Advanced Trig/PreCalculus or Trig/Analytical Geometry with Teacher Recommendation

Credit: 1

College Credit Opportunity: This course is an approved dual enrollment course with Saint Francis University as MATH 112 - Calculus Mathematics (3 credits) or Mount Aloysius College as CM 117 – Calculus I (4 credits). Refer to section Special Programs for more information.

Personal Finance is a course that will help prepare the student for life. To be a smart consumer, a good citizen, and have a successful career, you need to understand mathematics in the context of business and personal finance. Financial literacy is the ability to use knowledge and skills to manage one's financial resources effectively for a lifetime of financial security, this class will get us to that point. Focus areas will include: managing your money, managing your expenses, making financial decisions, and making business decisions. The student will be presented with information intended to prepare them for the workplace/life experience. An emphasis will be placed on application and interactive experiences.

Prerequisite: None (Course counts as CTE math credit or UP elective)

Credit: 1

Keystone Math is a course designed to provide students with additional study prior to retaking the Keystone Algebra I course. Students will be offered this course if they do not demonstrate proficiency on the Keystone Algebra I examination. Keystone Math is a non-credit course.

Prerequisite: None

Credit: 1

SCIENCE CURRICULUM

Science 9 is an introductory freshman level course in biological sciences designed to develop a foundation of scientific knowledge and processing skills. The coursework will explore topics such as cells and cell processes and the continuity of life which are relative to the Keystone Biology Exam. Emphasis will be on basic biological principles, homeostasis and transport, bioenergetics, ecology, and the integration of other branches of science.

Prerequisite: None

Credit: 1

Biology is designed for the student who has previous exposure to the life sciences and possibly plans to further their education in a science related field. The course presents topics in the context of cells and cell processes followed by the continuity of life. The coursework will be divided into two modules. First, students will study basic biological principles, homeostasis and transport, the chemical basis for life, and bioenergetics. Students will then study cell growth and reproduction, genetics, evolution, and ecology. Any student enrolled in this course will be expected and encouraged to work to their full potential. Extra time in studying and preparing for assessments outside of class will be necessary in order to be successful in this course.

Prerequisite: None

Credit: 1

Honors Biology is designed for the highly motivated student with a possible interest to further their education in a science related field. The course presents topics in the context of cells and cell processes followed by the continuity of life. The coursework will be divided into two modules. First, students will study basic biological principles, homeostasis and transport, the chemical basis for life, and bioenergetics. Students will then study cell growth and reproduction, genetics, evolution, and ecology. This course will emphasize higher order thinking skills requiring the student to participate in laboratory exercises, online activities, and both independent and group project based learning. Any student enrolled in this course will be expected and encouraged to work to their full potential. Extra time in studying and preparing for assessments outside of class will be necessary in order to be successful in this course.

Prerequisites: Achieve a score of Proficient or Advanced on Grade 8 PSSA Science test, Minimum 94% in grade 8 Science or Science 9, and Teacher Recommendation

Credit: 1.5

Chemistry is a course designed for students who will be taking a chemistry course in college regardless of their major. Students are taught an approach to problem solving that applies to both numeric and conceptual problems. Laboratory investigation and laboratory reporting are also components of this course.

Prerequisite: Algebra II (completed or concurrent)

Credit: 1.5

Honors Chemistry is a course designed for those students considering a science or science-related major in college. In this course, students will gain a thorough understanding of chemistry at a much faster pace with a more in-depth and rigorous approach than Chemistry. Through laboratory experiments students will use critical thinking and problem-solving skills.

Prerequisites: B or above in Honors Biology or A in Biology and Teacher Recommendation

Credit: 1.5

Chemistry II is a course designed for students who plan to major in science, nursing, or pre-med in college. Organic chemistry in addition to the study of gases, solutions, and reaction rates are covered in this course. Laboratory investigation and laboratory reporting are major components of this course.

Prerequisites: Honors Chemistry or Chemistry with Teacher Recommendation

Credit: 1

Chemistry III is a course designed for students who plan to major in science or engineering in college. This course is for students who want an in-depth, thorough chemistry course that covers chemical concepts typically not covered in previous chemistry courses. Laboratory investigation and laboratory reporting are major components of this course.

Prerequisites: Chemistry II, or concurrent with Chemistry II, and Teacher Recommendation

Credit: 1

Principles of Technology I is a sequential course in the basic principles of physics. It is designed to meet the needs of students who may not plan on attending a 4-year college, but may wish to enter a technical field. This hands-on course is designed to allow students the opportunity to apply scientific principles in practical workplace situations. Students will study the concepts of force, work, rate, and resistance and use these concepts in mechanical, fluid, electrical, and thermal energy systems. Algebraic mathematics is used in solving the problems encountered in the course. Laboratory experiments are an important part of the coursework.

Prerequisites: Algebra I or Algebra IA

Credit: 1

Principles of Technology II is the second year of a course in applied physical science designed for career/technical education students. A variety of topics such as energy, power, force transformers, momentum, waves and vibrations, and light are studied, emphasizing a “systems” approach. It is a continuation of the first year component.

Prerequisites: Principles of Technology I final average of 80% or higher and/or Teacher Recommendation

Credit: 1

Physics is designed to prepare the college-bound student for their introductory physics course. Important topics include kinematics, dynamics, optics, sound, and modern physics. Emphasis is placed upon problem-solving and insight into the ideas that form the foundation of physics. Laboratory experiments are an integral part of the coursework. Algebraic and trigonometric methods are used to solve problems encountered in this course.

Prerequisite: Algebra II

Credit: 1.5

College Credit Opportunity: This course is an approved dual enrollment course with Saint Francis University as PHYS 104 – Introduction to Physics (4 credits). Refer to section Special Programs for more information.

Honors Physics is designed to prepare the college-bound student with aspirations for a major in science or engineering for success in their introductory college physics classes. Important topics will mirror those of the general physics course, including kinematics, dynamics, optics, sound and modern physics. These topics will be addressed in a more rigorous fashion, with greater emphasis on individual student research, writing, and more experience with problem solving than is found in the general physics course.

Prerequisite: Trig/Analytical Geometry or Advanced Trig/Precalculus (completed or concurrent)

Credit: 1.5

College Credit Opportunity: This course is an approved dual enrollment course with Saint Francis University as PHYS 121 – General Physics (4 credits). Refer to section Special Programs for more information.

Physics II is a continuation of study in physics recommended for students with a strong interest in the field or for those who intend to major in engineering or a core science in college. Topics will include heat and thermodynamics, fluid dynamics, wave mechanics, electromagnetism, electric currents and circuits, material science, relativity and quantum mechanics. Laboratory experiments will be integral to the coursework.

Prerequisites: Honors Physics or Physics with Teacher Recommendation and Advanced Trig/ Precalculus (completed or concurrent)

Credit: 1

Anatomy and Physiology I is a course for advanced High School students who may be entering a medical field of study upon graduation from High School. The course is designed to help the student master the terminology and concepts of human anatomy and physiology and to apply this knowledge to everyday problems and situations. Special emphasis is made on helping the students to make the proper choices about health related matters that pertain to the growth, development and maintenance of their body. Using a variety of techniques students will study body composition of the 11 organ system, cytology, histology, integument, and skeletal systems.

Prerequisites: Concurrent with Chemistry or Honors Chemistry and Teacher Recommendation

Credit: 1.5

Anatomy and Physiology II provides further background into the human body's structures and functions. It is designed for those students who plan on a career in the medical or biological fields. Using a variety of techniques, students will study muscular, central and peripheral nervous systems, endocrine, cardiovascular, respiratory, reproductive, and developmental systems. The laboratory, specifically a cat dissection, is an essential component to understanding each of these concepts. Due to the volume of material covered, students are expected to invest time outside of class to master concepts. This course is equivalent to an introductory college course in Anatomy and Physiology.

Prerequisite: Anatomy and Physiology I

Credit: 1.5

College Credit Opportunity: This course is an approved dual enrollment course with Mount Aloysius College as BL 201 – Anatomy and Physiology I (4 credits). Refer to section Special Programs for more information.

Environmental Science deals with the science of our natural resources and environment. Students will study units on the nature of science, environment and ecology, ecological levels, ecosystems, biomes, water, populations, energy and environmental impacts, climate change, and other natural resource systems.

Prerequisite: None

Credit: 1

Keystone Biology is a course designed to provide students with additional study prior to retaking the Keystone Biology course. Students will be offered this course if they do not demonstrate proficiency on the Keystone Biology examination. Keystone Biology is a non-credit course.

Prerequisite: None

Credit: 1

SOCIAL STUDIES CURRICULUM

United States/PA I is a Grade 9 course that prepares students to understand the history of Pennsylvania. The students shall receive a brief overview of geography, the heritage, the agriculture, the businesses, the culture, and government of Pennsylvania. The students are required to complete several public speaking assignments. The students will develop an understanding of where they are located and the role they will play as a citizen within the county, state, country, and world.

Prerequisite: None

Credit: 1

United States/PA II is a Grade 10 course that will cover historic events that transformed our country, beginning with the American Civil War and going up to present times. Emphasis is placed on how each event shaped the world we live in today. While studying different topics, special attention will be placed on how Americans have sacrificed and persevered to create the most powerful and influential nation in the world today. When finished with this course, students will understand that the world we live in now is made up of the decisions we have made in the past.

Prerequisite: None

Credit: 1

Government/Economics is a Grade 11 course that covers both economics and governmental studies. Junior Achievement Economics is a one-semester course in which students learn the fundamental concepts of micro-economics, macro-economics, and international economics and apply them in intellectually engaging ways. Government is a one-semester course that prepares students to understand the history of Government in the United States and their role as a citizen in this Country. As per Act 35, at the end of this course, students will take our locally developed civics knowledge assessment. The assessment will include U.S. history, government and civics that includes the nature, purpose, principles and structure of U.S. constitutional democracy, the principles, operations and documents of U.S. government and the rights and responsibilities of citizenship. Each student who attains a perfect score will be awarded a certificate of recognition.

Prerequisite: None; Course is a graduation requirement

Credit: 1

College Credit Opportunity: This course is an approved dual enrollment course with Pennsylvania Highlands Community College as GOV 100 – Introduction to American National Government (3 credits). Refer to section Special Programs for more information.

World History is a Grade 12 course that is a study of the growth and development of world civilizations. It is an attempt to help students learn that they live in history and that their future is an outcome of the present. This course begins with the study of the Renaissance Period in Europe and covers historical events throughout the world leading up to the present. It reinforces the concept that civilization is the product of many different ages each having made its own significant contribution to the whole.

Prerequisite: None

Credit: 1

Current Issues focuses on local, state, national, and international issues and how they all personally affect us. This class will incorporate the use of newspapers, the internet, national news, and the text TAKING SIDES: Clashing Views in American Foreign Policy, 4/e, Fourth Edition. Students will be required to research and actively participate in discussion about current issues topics (including model U.N. simulations and or focus on the local judicial system).

Prerequisites: Grade 11 or 12 student, or Teacher Recommendation

Credit: 1

WORLD LANGUAGES

Spanish I incorporates grammar and vocabulary reviews of basic information in order to continue higher-level lessons on solid foundations. An emphasis will be made to include new material in the context of sentences and dialogues. Extensive vocabulary and grammar topics, including subjunctive tense and imperative tense, as well as object pronouns in conjunction with these tenses, will be part of higher-level material. All material will be practiced orally and/or in writing. Positive class contributions, especially oral participation, will receive a test score grade. The text will serve as a supplementary source of enrichment and/or extra credit.

Prerequisite: None

Credit: 1

Spanish II emphasizes computer-generated vocabulary building and an addition of six verb tenses incorporating both regular and irregular verbs in context after vocabulary and grammar reviews. A new emphasis will be given to survival-type situations in a Spanish-speaking country. All material is practiced thoroughly in class. Oral class participation is emphasized.

Prerequisite: Spanish I

Credit: 1

Spanish III topics and supporting material will be based on computer software. Emphasis is given to cooperative learning projects in which students generate Spanish dialogues related to computer lessons. Advanced grammar includes all verb tenses with a variety of regular and irregular verbs in context, including literature. Emphasis is on oral communication.

Prerequisite: Spanish II

Credit: 1

Spanish IV is comprised of independent class projects involving mastering computer generated materials, material from books, pamphlets, magazines, and music CDs along with original student generated lines which will incorporate advanced grammar concepts with the teacher serving as a facilitator. Completed projects will generally be accompanied by oral presentations and written tests. Vocabulary may also be targeted and enhanced with computer-generated materials.

Prerequisite: Spanish III

Credit: 1

German I is the first in a series of distance learning courses on the language and culture of German-speaking countries. Students will complete assignments, quizzes, and tests as scheduled on the German Online website managed by Oklahoma State University. Students will also be graded on the completeness and quality of their course log, notebook, and on any individual and class projects assigned by the NBC Distance Learning Facilitator.

Prerequisite: None

Credit: 1

German II is the second in a series of distance learning courses on the language and culture of German-speaking countries. Students will complete assignments, quizzes, and tests as scheduled on the German Online website managed by Oklahoma State University. Students will also be graded on the completeness and quality of their course log, notebook, and on any individual and class projects assigned by the NBC Distance Learning Facilitator.

Prerequisite: German I

Credit: 1

German III or German VI are distance learning courses on the language and culture of German-speaking countries. Students will complete assignments, quizzes, and tests as scheduled on the German Online website managed by Oklahoma State University. Students will also be graded on the completeness and quality of their course log, notebook, and on any individual and class projects assigned by the NBC Distance Learning Facilitator.

Prerequisites: German II for German III; German III for German IV

Credit: 1

FINE ARTS

Art 9 focuses on creating and studying visual images. Art skills introduced during the middle school years are expanded upon. Students are provided an environment that encourages independence and personal responsibility and growth. Students use their laptops to view various items related to the study and creation of visual images and to complete class assignments.

Prerequisite: None

Credit: .25

Art Elective students gain experience creating original artworks through a variety of styles, techniques, and mediums. Painting, drawing, fibers, sculpture, and graphic design are all mediums through which students will explore art during this course. Students learn about various art periods, styles and techniques through a combination of in class demonstrations, discussions, and personal artwork. Students are provided an environment that encourages independence and personal responsibility. *Spring of odd class years are musical years.* In these school years 1 marking period will be devoted to theatre arts and students will help design and make various parts of the set/props. The curriculum and projects will rotate, so this course may be scheduled for multiple years.

Prerequisite: None

Credit: 1

Graphic Design Elective uses the Elements of Art and Principles of Design taught in general art classes to create graphic art projects. Students work with traditional mediums for the first two marking periods to build essential design skills and concepts. The last two marking periods are devoted to learning the basics of Adobe Photoshop™. This class bridges the gap from “pen and paint” to computer generated art. Each type of software has distinct pros and cons for applications. By the end of the course, students will be able to use a combination of tradition and digital techniques to create graphic art. When appropriate, students will be divided into levels based on years of graphic design experience.

Prerequisite: None

Credit: 1

Band is open to students who play a wind or percussion instrument and is recommended by the Band Director. Band is a co-curricular course which meets during band period and several performances outside the school day. The Band meets approximately 90 class periods during the school year. The Band practices Monday evenings during the summer months and 1 week of Band Camp in August. The band performs in parades, field shows and bleacher features at football games, assemblies, concerts and contests. Pep Band and Honor Bands are optional for band students. Emphasis is placed on group development of musicianship, technique and performance.

Prerequisite: None

Credit: .5

Band Front is available to any students in grades 9-12. Placement in Band Front is based on a tryout that takes place in the spring. Band Front is a co-curricular course which meets during band period and several evenings in the summer and fall. The Band Front performs with the marching band for all parades and field shows from June through November. Students who are in Band must have permission from the Band Director to try out for Band Front.

Prerequisite: Tryout

Credit: .25

High School Choir is open to all interested students in grades 9 through 12 upon recommendation of the choral director. Recommendation is based on either individual auditions or references from the middle school choral director. Choir is a co-curricular course which meets during choir period and several performances outside the school day. This course provides instruction in vocal technique and musicianship. Students will prepare and perform a variety of vocal music from varying historical periods, cultures, and styles. Students will also develop and refine music and sight-reading skills, rehearsal techniques, an appreciation for historical context and performance presentation. Performances include Christmas concert, either a concert or fully-staged Broadway musical in March (after-school rehearsals scheduled), concert in April, Adjudication trip to Hershey in May, and concert at Baccalaureate. Other additional performances may be scheduled throughout the academic year at the discretion of

High School Choir (*continues from previous page*)

the director. Panther Select Choir and Honor Ensembles are additional optional for choir students. Emphasis is placed on group development of musicianship, technique and performance.

Prerequisite: None

Credit: .5

Instrumental 9 is required for all students who are also enrolled in band in lieu of Music 9 or Art 9. Students will continue to develop pitch, rhythm, tone, articulation and musicianship on their band instrument. Opportunities may be available for small ensembles.

Prerequisite: Band

Credit: .5

Music 9 encompasses a wide range of musical activities designed to address the PA State Standards. Units of study include: Why Music? (meaning of music in our lives); History of our National Anthem; Romantic Style Period featuring the composers Schumann & Chopin and their music; World music featuring the Indonesian Gamelan, including creating a group composition; Playing Guitar, including learning basic chords and understanding chord diagrams; and Music Careers & Avocations.

Prerequisite: None

Credit: .25

Music Elective is open to any student in grades 9-12. This class is unique because the student will build the class around his or her needs. Music Elective is intended to help prepare a student for post-secondary music activities which include music activities in college, music as a profession, or music as a hobby. Subject material may include learning to play a new instrument(s), music theory, music composition, jazz improvisation, post-secondary research for music colleges and careers, preparing for music honors or some other subject of interest to the student.

Prerequisite: Students interested must submit a proposal for approval to the Music Department prior to enrollment.

Credit: 1

PHYSICAL EDUCATION AND WELLNESS

Physical Education is designed to help the students develop physically, mentally, and socially. Emphasis is on lifetime and co-educational activities. The course activities vary from season to season. The activities will help the student become aware of the avenues available to them to achieve physical fitness and to reduce daily stress. This course will play a role in enabling the student to be an efficient, happy and contributing member of society.

Prerequisite: None

Credits: .5

Wellness is designed to educate and prepare 10th grade students for the various health problems they will face during their remaining high school years and beyond into adulthood. It stresses prevention and healthful living as ways to live a full and healthy life. In addition, strong emphasis is placed on current health information and utilizing competent health resources.

Prerequisite: None

Credits: .5

Strength Training & Conditioning is designed to help the students develop physically, mentally, and socially. Emphasis is on gaining muscular strength, endurance, and flexibility. The course activities will vary from season to season. The activities will help the student become aware of the avenues available to them to achieve physical fitness and to reduce daily stress. This course will play a role in enabling the student to be an efficient, happy and contributing member of society.

Prerequisite: Complete grade 10 fitness unit and school sports participation

Credit: .5

In addition to the information listed above, the following are also requirements that apply to all Physical Education classes and specifically to the Grade 10 Wellness/Physical Education class.

All students will:

- 1) Participate in the Fall Fitness program (Grade 10 Wellness/PE students' running unit)**
- 2) Complete physical fitness testing each year, which includes running the mile.**
- 3) Be dressed each day in appropriate activity clothing which includes tennis shoes.**

ELECTIVES

GRADE 9 ELECTIVES - Required

The following four courses are scheduled for all grade 9 students as “required” electives.

Business 9 introduces students to the major business concepts of finance, marketing, operations, and management. Students will gain valuable information and skills needed in today’s business environment. Topics covered include types of economies, business management, business organization, business ownership, supply and demand, and entrepreneurship.

Prerequisite: None

Credit: 1

Driver Education prepares the student to take and pass the permit test and the driver’s license test. An emphasis will also be driving responsibly in order to ensure the safety of the driver, passengers, and others who share the use of our roads.

Prerequisite: Grade 9

Credit: .25

Career Education and Work (CEW) Skills 9 actively involves each student in the development and planning of personal career goals. The topics discussed are representative of the four Pennsylvania Academic Standards for Career Education and Work, which are: (1) career awareness and preparation, (2) career acquisition skills, (3) career retention and advancement, and (4) entrepreneurship. All grade 9 students are scheduled for Career Planning. Completion of the course helps the student meet the requirements of Chapter 339’s Career Portfolio.

Prerequisite: None

Credit: .25

STEM 9 uses Code.org’s *Computer Science Principles* to introduce students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. Students learn about the challenges of supporting a giant network like the world wide web, while solving problems about encoding and transmitting data. Students get hands-on experience with concepts like binary and pixels, text compression, and cryptography. Students will learn about algorithms and program design as they create a series of real working and shareable apps using the JavaScript Language.

Prerequisite: None

Credit: .25

GRADE 9 ELECTIVES - Optional

The following two courses are electives available for grade 9 students only.

Family and Consumer Sciences 9 is designed to provide opportunities for students to develop the knowledge and skills needed to prepare for independent living and careers in a diverse and global society. Students will use content information to solve the types of problems which individuals and families face daily in a socially responsible manner. Areas of study include but are not limited to personal growth and management, food science, nutrition and wellness, and financial and consumer resource management.

Prerequisite: None

Credit: .5 or 1

Tech Ed 9 students can be enrolled in the course for 1 term or 1 semester. Students will be given a broad background in all technological areas and will have the opportunity to expand their knowledge base in an area and/or areas of their choosing.

Prerequisite: None

Credit: .25 or .5

GRADE 9, 10, 11 or 12 ELECTIVES

These courses can be scheduled by students in grades 9, 10, 11, or 12 unless restricted according to the course prerequisite.

Accounting I is a course designed to prepare students for business employment and for advanced study in this discipline. In this course, a system of basic accounting for proprietorships and partnerships is presented. Students are introduced to basic accounting terminology, the accounting cycle, financial statements, payroll records, and cash control/checking. The students will also complete a business accounting simulation project that covers a complete accounting cycle for a service business organized as a proprietorship.

Prerequisite: None

Credit: 1

Accounting II is a course designed to be a continuation of general accounting principles and prepare students for business employment and post high school study in this discipline. Topics include expanded entries for a merchandising business, financial reports, computerized income taxes, and inventory control. Students complete a simulation project for a merchandising business organized as a partnership that uses source documents for the business transactions.

Prerequisite: Accounting I

Credit: 1

Accounting III is a course designed to be a continuation of the Accounting II discipline. This course gets into more detail regarding corporate accounting, accruals, and depreciation methods. Federal Taxes and the entire corporate accounting cycle are examined and there is an emphasis on accounting career exploration.

Prerequisite: Accounting I and II

Credit: 1

Baking and Pastry is designed to give students knowledge and practice in the principles of baking, cake decorating, candy making, and pastry design. Students will gain a greater understanding of food science and various chemical processes relating to desserts. They will gain experience with various American and international cake decorating techniques, including borders, types of writing, butter cream flowers, figure piping, fondant, and marzipan decorations. They will learn various candy making techniques, from making a simple syrup, to controlling sugar temperature at various stages, to caramelizing sugar. Students will also create a range of pastries and baked goods, as well as design and complete individual projects demonstrating techniques learned throughout the course. *NOTE: The half credit is a pass/fail grade.*

The half credit is a pass/fail grade.

Prerequisite: None

Credit: .5 or 1

Business Leadership is a course designed to prepare students for leadership roles in school, extra-curricular, and community activities, and for future academic, career, and citizenship responsibilities. It is highly recommended that students in this course join Future Business Leaders of America (FBLA). FBLA is designed to help members develop their business leadership, networking, career development, and social skills. Participation in FBLA has a direct impact on the success of a person's career in the real world and what is expected of them in the workplace. Students will be expected to participate in FBLA's Business Achievement Awards and Community Service Awards.

Prerequisite: None

Credit: 1

Career Education and Work (CEW) Skills 11 is designed to prepare students for effective and realistic learning in developing functional skills for life as a productive citizen. This course will prepare students to seek, apply, and interview for employment, write/type letters, complete tax forms, utilize banking and financial skills, and apply proper work ethics. It also will introduce the principles of entrepreneurship. The course meets one period per day; three days out of the six-day cycle and carries one-half credit. Completion of the course helps the student meet the requirements of Chapter 339's Career Portfolio.

Prerequisite: For students in grade 11.

Credit: .5

Child Development studies the developmental process of children from birth through middle childhood. Students will explore learning theories, teaching strategies, and motivating techniques used to guide children, establish rules, and handle daily routines. Other areas of study include nutrition, childhood health and safety, learners with exceptionalities, classroom set up, safe learning environments, and laws. This course provides a strong background for students interested in careers involving children.

Prerequisite: None

Credit: 1

Engineering by Design is a “hands on” course that provides students the opportunity to develop and apply problem solving skills while exploring new and emerging technologies. The course is broken into *four* 9 week units: Construction, Energy and Power, Manufacturing, and Transportation. Students interested in pursuing post-secondary education in one of these areas will benefit from this course which meets 1 period daily for the year.

Prerequisite: Tech Ed Elective or Teacher Recommendation

Credit: 1

Get the FACS is a Family and Consumer Science course designed to provide Grade 12 students with opportunities to take action for the well-being of themselves and others in the family, workplace, and community. Topics include financial management, personal development, parenting, relationships, wellness and nutrition. It allows them to develop skills in food, childcare and safety, interior design, clothing construction and style, consumerism, family relationships, personal responsibility, and job-related tasks. Optional FCCLA leadership activities provide the opportunity to apply instructional competencies and workplace readiness skills to authentic experiences.

Prerequisite: Grade 11 or 12; Course is a graduation requirement

Credit: .5

Public Speaking is an introduction to the principles and application of speaking effectively to diverse audiences in a variety of settings. Focus is on topic selection, organization, analysis of research, and delivery, with special attention on learning effective delivery skills.

Prerequisite: None

Credit: 1

College Credit Opportunity: This course is an approved dual enrollment course with Pennsylvania Highlands Community College as COM 101 – Public Speaking (3 credits). Refer to section Special Programs for more information.

Sports/Entertainment Marketing is a course designed to teach students about marketing and promotion with an emphasis on the rapidly growing sports and entertainment industry. The major emphasis is to prepare students with knowledge and skills needed to become a productive citizen in a highly ever-changing business society. This course will prepare students with business financial skills and will also touch upon the travel and tourism industry as well.

Prerequisite: None

Credit: 1

STEM 10 is a computer science coding course where students will be exploring human computer interaction, computer programming, data modeling, and robotics. It is structured around iterative, engineering design processes, real world applications and opportunities for students to build teamwork and collaborative skills using VEX Robotics. STEM labs will provide students with hands-on, minds-on engagement that encourages students to design creative solutions real life problems and innovate through experimentation.

Prerequisite: STEM 9

Credit: 1 credit

Teacher Assistant Program is designed for students to serve as a classroom assistant to a high school or elementary school teacher. Duties are determined by the teacher and may include, but are not limited to, working one on one with a student, helping students in a small group setting, and assisting the teacher with class projects. This program provides an opportunity for direct experience with students in a class room setting and would benefit any student pursuing a teaching, healthcare, or counseling career. This course is graded on a Pass/Fail basis.

Prerequisite: Child Development (completed or concurrent)

Credit: 1

Tech Ed Elective students will build on and expand their knowledge and skills in areas they elect to pursue and expand upon in the following technological areas: Electronics, Engineering and Structural Design, Computer Aided Drafting and Design, Digital Photography, Desktop Publishing, Manufacturing and Production.

Prerequisite: Tech Ed 9

Credit: 1

Yearbook provides students with a “hands on” experience in complete yearbook production from fund raising to finished product. Students will work on the actual NBC yearbook *Pawprints* as well as various assignments that will develop skills needed for publication production. Topics to be covered are: business management, organizational skills, photojournalism, content development (includes thematic development, effective captioning & headlines, journalistic writing), marketing, advertising, page design and layout.

Prerequisite: None

Credit: .5 or 1

Career and Technology Education (CTE) Programs

The Northern Bedford County School District has a long-standing tradition of offering quality Career and Technical Education (CTE) programs on campus. Currently we offer complete CTE programs in Agriculture, Automotive Technology, Building Construction Occupations, and Horticulture. To be considered a full-time CTE student, students must schedule three periods of their program a day, continue in that program for three years, and choose a program of study related to their field. University Prep students may schedule one or more of the CTE classes as electives.

Most of our CTE programs are now recognized as “Programs of Study” by the Pennsylvania Department of Education (PDE). PDE indicates a program of study:

1. Incorporates secondary and post-secondary education elements into a coherent and rigorous career and technical program that adequately prepares students to enter post-secondary education.
2. May allow secondary education students to participate in dual- or concurrent-enrollment programs with post-secondary schools. This would allow students to acquire post-secondary credits or to obtain industry-recognized credentials or certificates from a post-secondary school.

ADMINISTRATIVE REGULATION

Adopted: January 8, 2013 (Note: Updated 3/15/2021 in the Course Selection Guide)

115 AR-1 CAREER AND TECHNICAL EDUCATION

Student Enrollment into CTE Programs - Procedures to Follow:

1. Parents of students in Grade 8 can attend an informational meeting in late winter/early spring detailing the different Program of Study options available to students enrolled in the Northern Bedford County School District. These options include programs offered in Career and Technical Education or University Preparatory. This information is provided by the school counselors.
2. All students in Grade 9 are enrolled in the Career Education and Work Skills course. In this course students indicate their career objective.
3. All Grade 9 students attend a “scheduling meeting” at the end of semester one to begin the process of formally selecting a Program of Study (CTE or UP) for grades 10-12. This is done in a large group setting.
4. All students participate in a tour and presentations of each CTE program prior to making their selection. At this time, the Program of Study Selection Form is given to each student. This form is to be returned to the school counselors prior to scheduling for the grade 10 year. The POS Selection Form requires both student and parent signature for approval of the student’s POS selection.
5. Parents/guardians have the opportunity to schedule an individual conference with the school counselors for the purpose of discussing Program of Study options for their student. A parent/guardian signature is required to approval the student’s curriculum selection.
6. Counselors then meet with small groups of students (usually in an English or social studies class) to continue with the scheduling process. During this time, students must formally select a Program of Study by marking either a Career Technical Education program or the University Prep program on their schedule form.

Northern Bedford School District Career and Technical Programming Enrollment Criteria

Secondary students interested in enrolling in career and technical programming at the Northern Bedford School District will complete a career goal sheet with the high school guidance counselor and request admittance to the career program of their choice. This process will be facilitated by the high school guidance counselor and the high school principal to ensure that all students who are eligible for enrollment in career and technical programming are given appropriate career guidance to make informed decisions about enrollment. This will include:

1. Career counseling
2. Parent letters detailing information about programs
3. Individual and group student scheduling meetings where this topic is discussed

All eligible students will be considered for programs except in the instance that there is a greater number of student requests than the Occupational Advisory Committee in conjunction with the Superintendent have established as maximums for the program. If this is the case, the following criteria will be used to determine student placement into the program.

Enrollment Procedures:

The OAC and the Superintendent will determine maximum student capacity for each program based on the following criteria:

- a. State requirements when applicable
- b. Staffing
- c. Safety considerations when implementing live work
- d. Number of workstations, computers, etc.
- e. Nature of curriculum

Selection will be based on:

- Student career goal alignment with the program (50 points)
- Grade Point Average (25 points)
- Attendance (25 points)

Scoring Rubric for Student Selection:

Attendance:

0 days absent = 25 pts
 1 day absent = 23 pts
 2 days absent = 21 pts
 3 days absent = 19 pts
 4 days absent = 17 pts
 5 days absent = 15 pts

6 days absent = 12 pts
 7 days absent = 9 pts
 8 days absent = 6 pts
 9 days absent = 3 pts
 10 or more days absent = 0 pts

GPA:

A (94 - 100) = 25 pts
 B (87 - 93) = 20 pts
 C (77 - 86) = 15 pts

D (70 - 76) = 10 pts
 F (69 or less) = 0 pts

Career Goal: (qualitative data) Correlation of student career goal to program

High Correlation	Moderate Correlation	Some Correlation	Little Correlation	Almost none or No Correlation
50 – 40 pts	40 – 30 pts	30 – 20 pts	20 – 10 pts	10 – 0 pts

AGRICULTURE

Agriculture is a CTE program that prepares students for jobs in the area of agriculture in fields such as agricultural production, business, mechanics and others. It also serves as a learning base for students continuing their agricultural studies at a college, university, or technical school.

Agricultural Science 9 is the introductory course for the agriculture department and is open to 9th grade students. The class may be scheduled as an elective or as the first course in an agriculture program. Students will study introductory units to plant science, animal science, natural resources, agricultural mechanics, agribusiness and technology. Students will develop leadership skills through co-curricular FFA activities. Individualized learning will be encouraged through the development of individual projects (SAEs). Instruction will take place in the agriculture and horticulture classrooms, greenhouse agriculture mechanics laboratory, school grounds and community field trips.

Prerequisite: None

Credit: 1

Agricultural Science I is a broad-based agriculture course that may be scheduled for one or two periods per day; as an elective, or as the curriculum major. Students will study units from plant science, animal science, agricultural communications, agribusiness, agricultural mechanics, natural resources and technology. Students will develop leadership skills through co-curricular FFA activities. Individualized learning and experience will be encouraged through the development of SAEs (Supervised Agricultural Experience). Instruction will take place in the agriculture and horticulture classrooms, agriculture mechanics lab, school labs, and on community field trips. Students also schedule a Leadership/FFA course.

Prerequisite: Agricultural Science 9

Credit: 2

Agricultural Science II/III focuses on the science and business of agriculture today. The course is offered by the agricultural department and is open to students in grades 11 and 12. It is recommended that students complete Agricultural Science 9 or Agriculture Science I before enrolling in this course. Students will study topics including animal science and production, plant science and production, soil science, biotechnology, natural resources, leadership and career development, agribusiness, and food science. Students will develop leadership skills through co-curricular FFA activities. Individualized learning and experience will be encouraged through the development of SAEs (Supervised Agricultural Experience). Instruction will take place in the agriculture and horticulture classrooms, agriculture mechanics lab, school labs, and on community field trips. Students also schedule a Leadership/FFA course.

Prerequisite: Agricultural Science I

Credit: 2

Agricultural Mechanics II/III focuses on much of the mechanical skills needed by people in an agricultural field or by people in their everyday life. The course can be taken by students in grades 11 or 12. It is recommended that students complete Agricultural Science 9 and/or Agricultural Science I before taking this course. Students will learn skills in small gas engines, ag construction, welding with both arc welders and MIG welders, cutting with oxy-acetylene torches, plumbing using several different materials and electrical wiring. Students will also learn leadership skills through co-curricular FFA activities. Individualized learning and experience will be encouraged through the development of SAEs (Supervised Agricultural Experience). Learning will take place in the ag classroom, ag shop, and on FFA and community field trips.

Prerequisite: Agricultural Science I

Credit: 2

FFA Leadership - SAE is a course designed for students in grades 9 - 12 enrolled in the agriculture or horticulture curriculum. This class encourages the student to develop an SAE (supervised agricultural experience) project, gain leadership skills through FFA activities, and to conduct projects of personal interest related to their curriculum, and provides additional time to develop academic skills. Class time will focus on keeping the SAE record book up to date,

working on individual projects, conducting FFA activities, practicing laboratory skills in the greenhouse and shop, time for class makeup and remediation and developing group interaction and work skills. FFA membership and participation will be strongly encouraged. Instruction will take place in the agriculture and horticulture classrooms, greenhouse, agriculture mechanics laboratory, school grounds and community field trips.

Prerequisite: Student in Grade 9, 10, 11 or 12 that is enrolled in or has completed one agriculture course.

Credit: .5 or 1

AUTOMOTIVE TECHNOLOGY

Automotive Technology is a CTE program that prepares students for entry level positions in the automotive repair industry.

Auto Technology I trains students in the basics of automotive mechanics. Emphasis is placed on developing entry-level occupational skills, awareness of the dignity of work, current labor market skills and preparation for post-secondary education in the mechanic field while working on live equipment in a “hands on” approach to learning. Course work includes but not limited to the following: shop safety, tool identification, reading for information, basic engine systems, engine rebuilding, micrometer use, oxy-acetylene welding, lubrication systems, cooling systems, basic fuel delivery systems, and exhaust systems. Students also schedule a Leadership/SkillsUSA course.

Prerequisite: None

Credit: 2

Auto Technology II trains students in the basics of automotive mechanics. Emphasis is placed on developing entry-level occupational skills, awareness of the dignity of work, current labor market skills, and preparation for post high school education in the mechanic field while working on live equipment in a “hands on” approach to learning. Course work includes but not limited to the following: Tool review, reading for information, fasteners, basic hydraulic principles, brake systems, wheels, tires, steering, suspension, alignment, fuels, emissions, pollution controls, basic fuel and air supply systems, fuel injection, advanced welding and cutting including arc, oxy-acetylene, MIG and plasma cutting. *Students also schedule Automotive Electronics (1 credit).*

Prerequisite: Auto Technology I

Credit: 2

Auto Technology III trains students in the basics of automotive mechanics. Emphasis is placed on developing entry-level occupational skills, awareness of The dignity of work, current labor market skills, and preparation for post high school education in the mechanic field while working on live equipment in a “hands on” learning approach. Course work includes but not limited to the following: differentials, transmissions, heating, ventilation, air conditioning, starting and charging, ignition systems, fuel injection, computerized engine controls, and electronic diagnostic tool use. Students also schedule a Leadership/SkillsUSA course.

Prerequisite: Auto Technology I and II

Credit: 2

Automotive Electronics trains students in basic automotive electronics. Emphasis is placed on developing entry-level occupational skills, awareness or the dignity of work, current labor market skills and preparation for post-secondary education in the automotive field while working in a “hands on” approach to learning. Coursework includes but is not limited to the following: shop safety, basics of electrical systems, basic electronics, batteries theory and service, electrical repair techniques, understanding wiring diagrams, lighting systems, starting systems, charging systems, electrical instruments and accessories, and ignition system operation and service.

Prerequisite: None

Credit: 1

Auto Technology Elective is designed to give students basic knowledge of automotive mechanics and vehicle function. The student will be placed with a more experienced group to learn basic vehicle function. Students must be approved for entry by the instructor and school counseling office.

Prerequisite: Teacher Recommendation

Credit: 1

Automotive/SkillsUSA is a national partnership of students, teachers and industry representatives working together to ensure America has a skilled workforce. SkillsUSA improves the quality of America's skilled workforce through a structured program of citizenship, leadership, employability, technical and professional skills training. The Northern Bedford chapter conducts a program of work during the school year and many students attend a district or state conference competing in occupational and leadership skill areas. SkillsUSA is recognized by the U.S. Department of Education and is cited as a successful model of employer-driven youth development training program by the U.S. Department of Labor.

Prerequisite: Student in Grade 10, 11 or 12

Credit: 1

BUILDING CONSTRUCTION OCCUPATIONS

Building Construction Occupations is a CTE program that prepares students for entry-level positions in the construction industry. This is a three-year program and the building construction courses rotate on a three-year cycle: **2022-23 Woodworking, and 2023-24 Masonry/Plumbing/Electricity, 2024-25 Carpentry.**

Carpentry is designed to give students a basic knowledge in the construction of a residential structure. This would include, but is not limited to, floor framing, wall framing, roof framing, insulation, drywall, painting, trim work, and exterior finish. This knowledge will prepare the student for an entry-level position in this field or for further education in a post-secondary program. The course meets two periods per day for a total of 240 hours and carries two building construction occupation credits. Students also schedule a Leadership/SkillsUSA course.

Prerequisite: None

Credit: 3

Masonry/Plumbing/Electricity is designed to give students a basic knowledge in the construction of a residential structure. This would include, but is not limited to, excavation, footers, drains, waterproofing, blocks, brickwork, concrete, wells, septic systems, waste lines, water lines, and fixture installation. Students will also be taught electrical theory and do hands on wiring projects of circuits found in a typical home. This knowledge will prepare the student for an entry-level position in this field or for further education in a post-secondary program. The course meets two periods per day for a total of 240 hours and carries two building construction occupation credits.

Students also schedule a Leadership/SkillsUSA course.

Prerequisite: None

Credit: 3

Woodworking is designed to give students a basic knowledge in the area of woodworking. This would include, but is not limited to proper safety techniques in woodworking, operating power tools and equipment, reading blue prints and plans, demonstrating proper using of hand tools, wood identification, gluing, woodworking assembly, application of appropriate finishes, proper woodworking techniques in construction, sanding, and finishing. Students will design and build various projects throughout the year. This knowledge will prepare the student for an entry level position in the field or for further education in a post-secondary program. Students also schedule a Leadership/SkillsUSA course.

Prerequisite: None

Credit: 3

AutoCAD is a course designed to introduce students to the basics of the AutoCAD program as it pertains to the building industry. Upon completion of this course, students will have mastered the commands in the AutoCAD program and have completed a set of prints for a residential structure. Students will also schedule this course in the senior year as part of the three period requirement for BCO.

Prerequisite: None

Credit: 1

Building Construction Carpentry Elective is designed to give students a basic knowledge in the construction of a residential structure. This would include, but is not limited to, floor framing, wall framing, roof framing, insulation, drywall, painting, trim work, and exterior finish. This knowledge will prepare the student for an entry-level position in this field or for further education in a post-secondary program.

Prerequisite: None

Credit: 1

Building Construction Masonry/Plumbing/Electricity Elective is designed to give students a basic knowledge in the construction of a residential structure. This would include, but is not limited to, excavation, footers, drains, waterproofing, blocks, brickwork, concrete, wells, septic systems, waste lines, water lines, and fixture installation. Students will also be taught electrical theory and do hands on wiring projects of circuits found in a typical home. This knowledge will prepare the student for an entry-level position in this field or for further education in a post-secondary program.

Prerequisite: None

Credit: 1

Building Construction Woodworking Elective is designed to give students a basic knowledge in the area of woodworking. This would include, but is not limited to proper safety techniques in woodworking, operating power tools and equipment, reading blue prints and plans, demonstrating proper using of hand tools, wood identification, gluing, woodworking assembly, application of appropriate finishes, proper woodworking techniques in construction, sanding, and finishing. Students will design and build various projects throughout the year.

Prerequisite: None

Credit: 1

SkillsUSA/Building Construction is a course designed to introduce you to various careers available to you in the building industry. Upon completion of this course you will be able to obtain an entry level position in the building industry or further your education by attending college. You will study and perform skills related to the building industry. These skills will be learned through classroom work, hands on instruction, individual projects, group projects, and field trips. You will develop a sense of pride that all quality trades people have and learn to work with other people while solving problems. Elements of this course have been embedded into the 3 credit Carpentry, Masonry/Plumbing/Electricity, and Woodworking courses.

Prerequisite: Student in Grade 10, 11 or 12

Credit: 1

HORTICULTURE

Horticulture is a CTE program that prepares students for jobs in the horticulture industry.

Agricultural Science 9 is the introductory course for the agriculture department and is open to 9th grade students. The class may be scheduled as an elective or as the first course in the horticulture program. Students will study introductory units to plant science, animal science, natural resources, agricultural mechanics, agribusiness and technology. Students will develop leadership skills through co-curricular FFA activities. Individualized learning will be encouraged through the development of individual projects (SAEs). Instruction will take place in the agriculture and horticulture classrooms, greenhouse agriculture mechanics laboratory, school grounds and community field trips.

Prerequisite: None

Credit: 1

Horticulture I is the introductory course for the horticulture department and is open to students in grades 10-12. The class is the first course in the horticulture program. This course was developed to provide students with an interest in horticultural science an opportunity to study the principles of botany and apply those principles to the growth, reproduction and utilization of plants for personal or career interest. Students will study introductory units to horticulture including plant science, greenhouse crop production, floral design, landscaping, selling and horticultural careers. Students will develop leadership skills through inter-curricular FFA and horticulture club activities. Individualized learning will be encouraged through the development of individualized projects (SAEs). Instruction will take place in the horticulture classroom, greenhouse, agriculture mechanics laboratory, computer laboratory, school grounds and community field trips. Students also schedule a Leadership/FFA course.

Prerequisite: 9th grade Ag. Recommended

Credit: 2

Horticulture II is the second course for the horticulture program students and is open to students in grades 11 and 12. The course is designed to provide students with an interest in horticulture an opportunity to increase their skills in horticulture and continue their study of horticulture science. The focus of the class will be developing skills and knowledge related to floriculture with units in floral design and floral crop production. Sales and marketing related to floriculture will also be studied. Students will develop leadership skills through inter-curricular FFA and horticulture club activities. Individualized learning will be encouraged through the development of individualized projects (SAEs). Instruction will take place in the horticulture classroom, greenhouse, agriculture mechanics laboratory, computer laboratory, school grounds and community field trips. Students also schedule a Leadership/FFA course.

Prerequisite: Horticulture I

Credit: 2

Horticulture III is the third course for the horticulture program students and is open to students in grade 12. The course is designed to provide students with an interest in horticulture an opportunity to increase their skills in horticulture and continue their study of horticulture science. The focus of the class will be developing skills and knowledge related to landscaping. Students will study units about landscape design, installation and maintenance. Selling and marketing landscape services will also be included. Students will develop leadership skills through inter-curricular FFA and horticulture club activities. Individualized learning will be encouraged through the development of individualized projects (SAEs). Instruction will take place in the horticulture classroom, greenhouse, agriculture mechanics laboratory, computer laboratory, school grounds and community field trips. Students also schedule a Leadership/FFA course.

Prerequisite: Horticulture II

Credit: 2

Horticulture I Elective is the introductory elective course for the horticulture department and is open to students in grades 10-12. The elective class meets for one period and carries one credit. This course was developed to provide students with an interest in horticultural science an opportunity to study the principles of botany and apply those principles to the growth, reproduction and utilization of plants for personal or career interest. Students will study introductory units to horticulture including plant science, greenhouse crop production, floral design, landscaping, selling and horticultural careers. Students will develop leadership skills through inter-curricular FFA and horticulture club activities. Individualized learning will be encouraged through the development of individualized projects (SAEs). Instruction will take place in the horticulture classroom, greenhouse, agriculture mechanics laboratory, computer laboratory, school grounds and community field trips. Elective students will not do as many hands on activities as double period program students.

Prerequisite: 9th grade Agriculture course recommended

Credit: 1

Horticulture II Elective is the second elective course for the horticulture department and is open to students in grades 11 and 12. The course is designed to provide students with an interest in horticulture an opportunity to increase their skills in horticulture and continue their study of horticulture science. The focus of the class will be developing skills and knowledge related to floriculture with units in floral design and floral crop production. Sales and marketing related to floriculture will also be studied. Students will develop leadership skills through inter-curricular FFA and horticulture club activities. Individualized learning will be encouraged through the development of individualized projects (SAEs). Instruction will take place in the horticulture classroom, greenhouse, agriculture mechanics laboratory, computer laboratory, school grounds and community field trips. Elective students do not do as many hands-on activities as double period program students. **Prerequisite:** Horticulture I, **Credit:** 1

Horticulture III Elective is the third elective course for the horticulture department and is open to students in grade 12. The course is designed to provide students with an interest in horticulture an opportunity to increase their skills in horticulture and continue their study of horticulture science. The focus of the class will be developing skills and knowledge related to landscaping. Students will study units about landscape design, installation and maintenance. Selling and marketing landscape services will also be included. Students will develop leadership skills through inter-curricular FFA and horticulture club activities. Individualized learning will be encouraged through the development of individualized projects (SAEs). Instruction will take place in the horticulture classroom, greenhouse, agriculture mechanics laboratory, computer laboratory, school grounds and community field trips. Elective students will not do as many hands on activities as double period program students.

Prerequisite: Horticulture II

Credit: 1

FFA Leadership - SAE is a course designed for students in grades 9- 12 enrolled in the agriculture or horticulture curriculum. This class encourages the student to develop an SAE (supervised agricultural experience) project, gain leadership skills through FFA activities, and to conduct projects of personal interest related to their curriculum, and provides additional time to develop academic skills. Class time will focus on keeping the SAE record book up to date, working on individual projects, conducting FFA activities, practicing laboratory skills in the greenhouse and shop, time for class makeup and remediation and developing group interaction and work skills. FFA membership and participation will be strongly encouraged. Instruction will take place in the agriculture and horticulture classrooms, greenhouse, agriculture mechanics laboratory, school grounds and community field trips.

Prerequisite: Student in Grade 9, 10, 11 or 12 that is enrolled in or has completed one agriculture course.

Credit: .5 or 1

COOPERATIVE EDUCATION

Cooperative Education is a “senior only” education option that combines classroom study with planned and supervised on-the-job training which assists the student in understanding the world of work. Co-operative education provides employers in the community with responsible students who can be trained and skilled to meet the various community needs. Through joint cooperation of the school and the various businesses, a student is supervised in order to provide a more qualified and responsible employee on the job. Classroom theory activities include: communication skills, safety, business math, consumer information, economics, and career and job exploration. Co-operative education extends the school district’s curriculum and is offered to students who maintain a minimum of an 82 grade average in all subjects. Students are not permitted to miss more than ten (10) days of school for the year. If the student misses more than ten (10) days of school, he/she will be removed from the co-operative education program.

Prerequisites: Prior approval by instructor and administration

Credits: 3

Nondiscrimination

Equal Opportunity Education Institution - Northern Bedford County School District, along with our Career and Technical Education (CTE) programs, is an equal opportunity education institution and will not discriminate on the basis of race, color, national origin, sex, and handicap in its activities, programs, or employment practices as required by Title VI, Title IX, and Section 504. For information regarding civil rights or grievance procedures, contact Mr. Todd Beatty, sec. 504 coordinator, at 152 NBC Drive, Loysburg, PA 16659 (814) 766-2221. For information regarding services, activities and facilities that are accessible to and useable by handicapped persons, contact the District Superintendent, Todd Beatty, at the above address or telephone number.

ADDITIONAL CAREER TECHNICAL EDUCATION PROGRAM OPTIONS

Bedford County Technical Center (BCTC)

Students at Northern Bedford may apply in grade 9 to enroll in courses at the BCTC for grades 10-12. Since NBCSD is not a participating member of the BCTC, our students are not guaranteed enrollment. Specific information on the application process is available at the school counseling office. The following course descriptions listed are directly from the BCTC.

Cosmetology

3 Credits - Grades 10, 11, and 12

This three-year course, consisting of 1250 required hours, is offered to both male and female students. The first year students are introduced to the basic skills such as shampooing, scalp treatments, manicuring, hair styling, cold waving, and hair cutting. Safety, sterilization, and sanitation are stressed as important parts of each job. Second year students are required to place more emphasis on progress toward perfection of basic skills, including on-the-job training that is expected in beauty salons. Removal of superfluous hair, thermal waving and curling, chemical hair relaxing, skin care and makeup are added to the second year curriculum. During the third year, students have an intensive review of all skills and theory plus coloring, hair lightening electricity, chemistry, shop management, and the State Board of Cosmetology laws. Students are taught the importance of expectations to obtain a job. When students have completed this three-year course, they are qualified to take the state board examination required for a state license in cosmetology.

Career Opportunities: Cosmetology operator, teacher, manicurist, and manager.

Institutional Foods (Culinary Arts)

3 Credits - Grades 10, 11, and 12

This program will be offered in a newly renovated kitchen and training restaurant which will eventually be open on a limited basis to the public. The purpose of the program is to prepare workers for the restaurant and hospitality industry. Graduates will be prepared to enter the workforce in a variety of areas. This course will be integrated for advanced standing for an associate degree from Allegany College. The program will include: food safety and preparation, presentation and service, dining room service and set-up, kitchen management, dining room management, computer cash register and inventory, entrepreneurial skills and management techniques.

Career Opportunities: Waiter/waitress, chef (with further education), cook, short order cook, host/hostess, dining room manager, cashier and more.

Health Assistant

3 Credits - Grades 10, 11, and 12

Health/Medical Assistant is offered to 10th, 11th, & 12th grade students. The three-year program will offer a background in basic anatomy, physiology, diagnostic studies, pathophysiology, terminology, and practical skills. Studies in dental assisting, use of computers for medical office procedures, and the possibility of a cooperative work-study program are also included in the Health/Medical Assistant Course.

Career Opportunities: Nursing assistant, medical assistant, medical office/dental office assistant. The course also prepares students for advanced studies in the health professions.

Welding

3 Credits - Grades 10, 11, 12

Metal Fabrication instruction includes classroom and shop learning experiences concerned with layout, fabrications, erection, installation and maintenance of items made of metal. Instruction subjects include drafting, blueprint reading and the use of hand tools and machines. CAD-CAM Techniques and procedures will be taught during the level II and III years of the course. The welding aspects of the program provides classroom and shop experience with all types of welding: Electric, Arc, Spot, TIG, Automatic, Semi-Automatic, and Oxyacetylene. Instruction emphasizes properties of metals, blueprint reading, electrical principles, welding symbols and mechanical drawing.

Career Opportunities: Welder of all types of material, welding fitter, grinder, machine operator, assembler, installer, drafters and CAD operators.

SPECIAL PROGRAMS

EARLY COLLEGE / DUAL ENROLLMENT PROGRAM

Northern Bedford County High School's Early College (EC) Program provides students the opportunity to earn college credits while in high school. This can occur by direct enrollment in college courses and/or through Dual Enrollment, where students take high school courses that have been approved by local colleges for college credit at their institutions. These courses can be approved to meet high school graduation requirements. The list of eligible courses will be distributed to students each year during the scheduling process. Students will work with the school counselors to complete the necessary application and registration forms.

Each participating college has requirements that are specific to their institution and which outline enrollment procedures and provide cost information for tuition and fees. These requirements are described in each college's Early College/Dual Enrollment agreement with Northern Bedford County High School. It is the responsibility of the student to cover all related tuition, fees and related expenses (including transportation if applicable) for the courses in which they enroll.

If a student chooses to enroll after high school in the college offering the college credits, then the student may be able to use the awarded college credits to meet college major requirements. However, if a student does not plan to attend the college issuing the credits, the courses may be accepted as general studies courses at the future selected college. It is the responsibility of each participating student to obtain approval from the college they plan to attend for the acceptance and transfer of all college credits. Students are reminded and encouraged to document all correspondence relevant to the transfer of college credits. The school counselors are available to help students with this process.

Requirements for Participation:

1. Student must be a high school senior. The only exceptions to this would be students that are enrolled in a high school course that is approved under a college's dual enrollment program or students with a GIEP. All exceptions require administrative approval.
2. Cumulative grade point average of B or above grades 9 through 11.
3. Student must meet the placement standards of the college. This will be determined by the student placing in freshman level English and/or Math. A student who requires remediation in a college level English and/or Math course does not meet the standards for the EC program.
4. To enroll in a college language arts/humanities course, student must score "Proficient" or "Advanced" on the Keystone Literature exam.
5. To enroll in a college math course, student needs to have passed the Keystone Algebra exam with "Proficient" or "Advanced" and have completed Trig/Analytical Geometry or Advanced Trig/PreCalculus.
6. Acceptable attendance as determined by school policy.
7. Student must have and maintain a satisfactory discipline record.
8. Student will submit documentation for each course completed. All documentation must be received and verified before high school credit can be awarded. Students failing a college course will not receive high school credit. A student failing a course could jeopardize their high school graduation if the required credits are not earned.
9. Enrollment in the EC Program is for the entire school year. Students will be expected to enroll in courses during both semesters.

10. All costs, transportation, and any other monetary obligations associated with the EC program are the responsibility of the student and parents.
11. A completed EC Program Application Form must be submitted to the guidance office prior to the beginning of the school year in which college enrollment is sought. Students will receive final approval for the EC program when all requirements are received.
12. Any student who fails to maintain or meet one or more of the guidelines as outlined above, will risk being removed from the EC program.

Description of Dual Enrollment Agreements as of February 2022:

Allegany College Maryland (ACM):

ACM currently offers four college courses that are taught by ACM approved instructors at Northern Bedford. The courses are:

College Courses Offered	Credits Awarded	Semester Taught
<i>Freshman English I (ENG 101)</i>	3	1
<i>Introduction to Literature (ENG 103)</i>	3	2
<i>Introduction to Sociology (SOC 101)</i>	3	1
<i>History of Western Civilization I (HIS 101)</i>	3	2

Due to the physical closeness of the Bedford Campus of ACM in Everett, students can also choose to travel there to take courses during the regular school day. ACM courses can also be completed online.

Students who meet all of the following criteria are qualified to participate in the program:

- Student must submit a completed ACM application, an official copy of the student's high school transcript, approval from Northern Bedford, and complete the ACM placement assessment (if required).
- Student demonstrates readiness for college-level coursework in the attended subject area of study, as determined by ACM through the placement exam. ACM will administer the placement at Northern Bedford on a designated day. Students not able to schedule then will need to travel to ACM on a later date to complete the exam. Students can be exempt from the placement assessment if they meet the minimum GPA requirement of a B or higher.

Note: ACM does offer students that are 16 years or older the opportunity to enroll in courses taught by their institution. Eligibility to register for these courses is governed by the admission requirements of the college and the recommendations and/or approval of the high school administration. Approval can be granted for students to enroll during the summer, online, or evening sessions. All above requirements still need to be met.

California University of Pennsylvania

Courses offered through California University of Pennsylvania are on-line. A list of course offerings is available from the college during the spring semester.

Students who meet all of the following criteria are qualified to participate in the program:

- Student must demonstrate readiness for college-level coursework in the intended subject area of study, as determined by the University through placement tests in the courses which the student has expressed an interest.
- Student must have a high school GPA of 3.0 or higher.
- Recommendation of the high school administration.
- Must earn a minimum grade of C in each course enrolled.

Clarion University

Courses offered through Clarion are on-line. A list of course offerings is available from the college during the spring semester.

Students who meet all of the following criteria are qualified to participate in the program:

- Student must demonstrate readiness for college-level coursework in the intended subject area of study, as determined by the University through placement tests in the courses which the student has expressed an interest.
- Student must have a high school QPA of 2.8 or higher.
- Recommendation of the high school administration.
- Must earn a minimum grade of C in each course enrolled.

Indiana University of Pennsylvania

Courses offered through Indiana University of Pennsylvania (IUP) are taken on-line. A list of course offerings is available from the college during the spring semester.

Students who meet all of the following criteria are qualified to participate in the program:

- Student must demonstrate readiness for college-level coursework in the intended subject area of study, as determined by the University. The College will determine readiness based on the recommendation of the school district.
- Student must have a high school GPA of 3.0 or above.
- Must maintain a minimum grade of 2.0 in each dual enrollment course.

Mount Aloysius College (MAC):

Under the current Dual Enrollment Agreement between Mount Aloysius College and Northern Bedford County High School, the following high school courses are approved for Dual Enrollment:

High School Course(s)	College Course Equivalent	Credits Awarded
<i>Anatomy & Physiology I & II</i>	<i>Anatomy and Physiology I (BL 201)</i>	<i>4</i>
<i>Calculus</i>	<i>Calculus I (CM 117)</i>	<i>4</i>

Students who meet all of the following criteria are qualified to participate in the program:

- Student is a high school junior or senior.
- Student must maintain a secondary grade point average of 3.0 (B average – 87% or above). The student also must maintain a minimum grade of 2.0 (C average – 78% or above) for each dual enrollment course in which the student is enrolled.
- At the end of the school year, a final course grade will be submitted to MAC by Northern Bedford County High School. Students can then obtain an official college transcript from MAC for the approved college course.
- Students must complete the MAC Registration Form and pay the required course fees.

Penn State Altoona:

Students interested in this program complete coursework taught only at the Penn State Altoona campus.

The Qualifications as listed on

<https://altoona.psu.edu/admissions/high-school-dual-enrollment-program/qualifications-other-details:>

- Seniors only.
-
- Maintaining an overall average from 9th grade of “A”.
- SAT scores totaling 1050 and a 520 on the verbal side. Scores must be obtained on same test date.
- Documents submitted in March prior to the senior year.
 - Current HS Transcript, SAT scores, Counselor recommendation, student’s contact information

Penn Highlands Community College (PHCC):

The dual enrollment program between PHCC-ACE (Accelerated College Education) and Northern Bedford County High School includes the following courses:

High School Course(s)	College Course Equivalent	Credits Awarded
<i>Government and Economics</i>	<i>Intro Amer Gov (GOV 101)</i>	3
<i>Public Speaking</i>	<i>Public Speaking (COM 101)</i>	3

Students who meet all of the following criteria are qualified to participate in the program:

- Student is a high school junior or senior.
- Student must maintain a minimum grade of 2.0 (C average – 78% or above) in the course.
- Student must complete the PHCC Registration Form and pay the required course fees.
- At the end of the school year, a final course grade will be submitted to PHCC by Northern Bedford County High School. Students can then obtain an official college transcript from PHCC for the approved college course.

Saint Francis University (SFU):

The dual enrollment agreement at Saint Francis University is called *College in High School*. Under the current Dual Enrollment Agreement between SFU and Northern Bedford County High School, the following high school courses are offered:

High School Course(s)	College Course Equivalent	Credits Awarded
<i>Calculus</i>	<i>Calculus Mathematics (MATH 112)</i>	3
<i>Physics</i>	<i>Introduction to Physics I (PHYS 104)</i>	4
<i>Honors Physics</i>	<i>General Physics (PHYS 121)</i>	4
<i>Statistics</i>	<i>Statistics (STAT 101)</i>	3

Students are also able to enroll in courses offered at the SFU campus or on-line. Regular tuition rates and fees apply for those courses.

Students who meet all of the following criteria are qualified to participate in the program:

- Student is a high school junior or senior.
- Student must maintain a minimum grade of 2.0 (C average – 78% or above) in the course.
- Student must complete the SFU Registration Form and pay the required course fees.
- At the end of the school year, a final course grade will be submitted to SFU by Northern Bedford County High School. Students can then obtain an official college transcript from SFU for the approved college course.

ARTICULATION AGREEMENTS AND EXEMPTION TESTING

An Articulation Agreement is an agreement between a high school and a post-secondary institution for the post-secondary institution to automatically accept a student into their school and gives the student some advanced standing because of courses completed at the high school. The school district currently has an articulation agreement with Delaware Valley College (description – See A.).

Students are also eligible to complete Exemption Testing at participating post-secondary schools and colleges. Exemption testing allows a student to take an exam offered by the post-secondary institution and “test” out of beginning level courses. Students wanting to learn more about exemption testing and its availability should talk with a representative from the school they plan to attend.

In addition to Articulation Agreements and Exemption Testing, some post-secondary schools offer students the opportunity to earn advanced standing by completing a Skills Competency test. An example of a college providing Skills Competency testing is Pennsylvania College of Technology. The school district continues to explore opportunities for students to receive advanced standing.

A. Articulation Agreement Between Delaware Valley College, Doylestown Pennsylvania and Northern Bedford County School District – November 2021

Northern Bedford County School District students who successfully complete the Career and Technical Education (CTE) approved Agriculture curriculum of study can receive college credit from Delaware Valley University for the following courses:

- LAES 1120 (3 credits): Sustainability. This course satisfies a requirement in the Plant Science/LAES programs.
- PS 1101 (2 credits): Exploring Horticulture, Science and Environment. This course satisfies 2 credits within the Plant Science majors.
- AS 1000 (3 credits): Survey of Animal Agriculture. This course satisfies requirements within the Animal Science major.

Acceptance of the curriculum by Delaware Valley University for these credits is based on the following:

- Northern Bedford County School District students must successfully complete the Agriculture curriculum with a “B” average or higher (3.0 GPA on a 4 point scale).
- Northern Bedford County School District students must submit an official transcript to Delaware Valley University Office of Admission listing the course and grade received by the student.

NCAA ELIGIBILITY FOR THE PROSPECTIVE STUDENT-ATHLETE

Students who play sports in high school may consider playing sports at the collegiate level. In order to prepare for that possibility, students need to be aware that certain eligibility requirements for academics exist and are governed by the National Collegiate Athletic Association (NCAA) and explained in the publication *NCAA Guide for the College-Bound Student Athlete*.

In order to be qualified for D-I or D-II athletics, a student must be certified as academically-eligible by the NCAA. For D-III schools the academic-eligibility varies by each school/conference. As you consider the option of being a student-athlete, make yourself knowledgeable of these guidelines. More information can be located at www.eligibilitycenter.org or on the school's Guidance website under Post-Secondary Education – Athletics in College. Be sure to be discussing your plans on athletics and college with your parents and coaches, as well as your school counselor.