

COURSE DESCRIPTION BOOKLET



Course Descriptions/Programs of Studies Skowhegan Area High School Somerset Career & Technical Center

2012-2013

The Skowhegan Area High School Course Descriptions/Programs of Studies is designed to provide parents, students, and community members with important information regarding the high school's academic opportunities. We are proud of the many choices that are offered to our students.

Determining a relevant and meaningful four-year plan of study can be a daunting task, since students are asked to make many academic, career, and life choices. As students enter and progress through high school, those choices take on lifetime significance; consequently, it is imperative that parents, counselors, students and teachers communicate clearly about the most appropriate course of study.

If you have any questions or concerns regarding course selection, graduation requirements, or the scheduling process, please contact your guidance counselor at 474-2403.

SELECTING YOUR COURSES

Students must successfully complete 21.5 credits (The Class of 2013 must complete 20.5 credits.) as well as meet the standards of the district's comprehensive assessment system. As you select your courses, there are several considerations:

1. Students in the **Class of 2013** must successfully complete the following courses for graduation:

English I, II, III & IV, Social Studies (3 credits-which must include U.S. History and Government), Math (3 credits), Science (3 credits), Physical Education (1 credit), Health (.5 credit), Fine Art (1 credit), Computer Applications (.5 credit), and Financial Literacy (.5 credit)

All other students must successfully complete the following courses for graduation:

English I, II, III & IV, Social Studies (4 credits-which must include U.S. History I & II, Geography and Government), Math (3 credits), Science (3 credits), Physical Education (1 credit), Health (.5 credit), Fine Art (1 credit), Career and College Prep (.5 credit), and Financial Literacy (.5 credit)

2. You must carry a **minimum** of 5 credits each year (5, 80 minute classes each semester) to be eligible for extra-curricular activities; athletics and honor roll even if you do not need that many to meet the graduation requirements. **Six classes are strongly recommended.**
3. Subject area teachers will recommend a student to the appropriate course level in core academic subjects.
4. Students must assume responsibility for meeting graduation requirements by keeping track of the credits they have earned and be certain they are signing up for appropriate and necessary remaining credits.
5. Because of the danger of certain chemicals and/or fumes in some classes, a student who suffers from asthma, has breathing conditions, has severe allergies, or is pregnant must notify his/her teacher, guidance counselor, school nurse, or principal immediately. Any student experiencing a health problem as a result of exposure to chemicals or fumes should also notify his/her teacher and the school nurse immediately. All medical information is kept confidential.

APPLIED AND FINE ARTS DEPARTMENT

Fine Arts Courses

Digital Photography (.5 credit)

This course is an exploration of digital photography and digital image-editing using Adobe Photoshop. During the semester you will work toward the following goals: gain an understanding of digital photography, processes and concepts, learn to apply the Elements and Principles of Design to create interesting and strong compositions, apply these new understandings toward creating original, strong, interesting digital images, and expand your knowledge and vocabulary as it relates to digital imagery and photo manipulation and enhancement.

Foundations of Art (1 credit)

Foundations of Art covers the basic knowledge and skills necessary for the development and appreciation of the visual arts. Students learn the fundamentals of drawing, painting, printmaking, crafts, and art history. This is primarily a studio class and student will keep a sketchbook and a portfolio. It is the prerequisite for advanced art.

3-D Design (.5 credit)

This is a course for students interested in making sculpture. The first quarter will include paper, paper mache and wood construction. The second quarter will be clay pottery and sculpture. Emphasis will be on creativity, imagination and skills.

Printmaking (.5 credit)

This course will involve students in the art and history of printmaking from Japanese prints to the present day screen printing. Included in this course will be activities such as: potato and relief prints, silk screening, linoleum and woodblock printing.

Advanced Art (.5 credit)

This course is a survey of art history and studio work and is for the serious art student. Social dynamics and art theory will be explored and will be integrated with a study of style and technique in studio work. This course will include both independent and group work. (Prerequisite: Foundations of Art)

Portfolio Preparation (.5 credit) (Offered every two years 2011-2012)

This is a course designed for the serious art student who is considering art as a college major. Students will prepare a portfolio of artwork using computer technology and digital equipment. No computer technology experience is necessary to participate in this class. Students will expand their art knowledge through an in-depth study of an artist or an art movement that is of particular interest to the student.

Family and Consumer Science

Family and Consumer Science IA (.5 credit)

Fashion Design and Your Appearance, Basic Clothing Construction, Child Care

Family and Consumer Science IB (.5 credit)

Getting Ready to Cook, You as an Individual, Career Exploration

Fiber Arts (.5 credit)

Students will explore the practical and decorative use of the traditional art of weaving, needlework, crocheting, quilting, fabric design, printing, fabric sculpture, and historical clothing design. Students will explore the cultural expressions of these arts and the individual who created them.

Interior Design (.5 credit)

The student will explore basic design principles used in the housing environment. Students will learn how individual choices of backgrounds, furnishing, and accessories can be made into a pleasing whole. Individual projects that apply these concepts will be required.

Parenting (.5 credit) (juniors & seniors only)

This course examines the role and responsibilities of becoming a parent and helps develop skills in parenting. This course is a study of the development of infants to age one.

Early Child Development (.5 credit) (juniors & seniors only)

This course explores the physical, social, emotional and intellectual development of the child. Students in this class will be working in a hands-on situation with children in a preschool setting. This course is a study of child development through the age of 12.

Nutrition (.5 credit)

This course will teach you how to eat smart. Topics include weight control, eating disorders, fad diets, selecting health foods, comparison shopping and nutrition. This course is designed to assist you in becoming a wise consumer. Food preparation is part of this course.

Foreign Foods (.5 credit)

Students in this class will learn the basics of planning and preparing complete meals and explore various countries and their food traditions.

Industrial Arts Technology

Metals I (.5 credit)

Metals I is designed to provide the student with exploratory and/or introductory experiences in sheet metal fabrication and wrought iron. In the area of sheet metal fabrication, major emphasis will be placed on the design, planning, and production of techniques common to the sheet metal industry. The objectives of the course will be achieved through hands-on experiences, the manufacture of various projects and written assignments.

Metals II (.5 credit)

This metals unit is intended to give the student a general knowledge and understanding of major concepts significant to the metal working industry. Through an exposure to casting, forging/heat treatment, and welding the student will acquire various metal working processes common to the industry. Hands-on experience will be achieved by the student manufacturing products involving the operations mentioned above. Written assignments will also be required throughout the course to supplement the practical application. (Prerequisite: Metals I No prerequisite for seniors)

Metals III (.5 credit)

This is the upper level course for those students who may enter a metal working profession. Large scale project will provide the student with an overview of metalworking technology. Interest areas will include welding, cutting, casting, forging/heat treating, machining, and finishing. (Prerequisite: Metals II)

Wiring/Electronics (.5 credit)

This course will be taught in two 9-week segments. One part of this course will be dealing with electricity as it pertains to residential wiring and small appliance repair. The other part of this course will deal with basic electricity/electronics through blueprint reading, circuit design and construction of electronic kits. This course is not open to freshmen.

Small Engines (.5 credit)

This course will be an introduction into the field of small engines. The theory, history, service and repair of 2 and 4 cycle engines will be highlighted with supporting topics on pulse rockets, turbines, and alternative power plants. This course is not open to vocational students or freshmen.

Woods I (.5 credit)

The purpose of Woods I is to give the student a basic understanding of woodworking. In this course the student will develop basic skills in the use of tools, materials, and processes as they relate to woodworking.

Woods II (.5 credit)

The purpose of Woods II is to give the student the opportunity to develop the skills and other learning experiences gained in Woods I. This course is a more in-depth study in the area of woodworking. The emphasis is on the construction of student projects. (Prerequisite: Woods I – no prerequisite for seniors)

Woods III (.5 credit)

The purpose of Woods III is to give students with prior background in woodworking a chance to pursue their interest on a less structured basis. This course will be individual instruction. The student will be responsible for planning activities that meet the requirements of this course. (Prerequisite: Woods II)

ENGLISH DEPARTMENT

Honors English I (1 credit)

Students who are recommended by their eighth grade Language Arts teacher as capable of work at an accelerated level may enroll in this first course in the honors program. Students may also take a placement test or submit a portfolio of their work to demonstrate that they have the skills necessary for success in this course. Major works of literature in this class include *The Yearling*, *A Tree Grows in Brooklyn*, and *Les Miserables*. Students will explore the ideas of the child becoming an adult, the voyage of self-discovery, and the relationship between nature and man. Students will study a Shakespeare play. The development of strong writing skills is important, and students will review formal grammar in relationship to their writing. They will also learn basic research skills that they will apply in reports. Students enrolled in this class must complete assigned summer readings and must maintain minimum grade standards established by school board policy.

English I (1 credit)

In this course students will build on the knowledge of basic grammar, spelling, capitalization, and punctuation skills. Grammar study will continue with parts of speech and sentence structure. Students will develop their writing skills through extensive practice and revision, beginning with the paragraph through the complete essay. The study of literature, at this level, focuses on the theme of compassion. Students will develop their reading comprehension and analytical skills as they engage with short stories, plays, novels, and poems. This course will offer college preparatory assignments.

Consultant English I (1 credit)

Practical life skills (reading and writing) are taught in this course. Admission is based on departmental recommendation and/or IEP placement.

English Reading & English Reading Lab (1 English credit & 1 elective credit)

Based on Scholastics' READ 180 program, a research-based intervention for supporting a variety of reading challenges, this course offers students a three-part instructional model for 80 minutes every day. With a focus on real-life experiences and age-appropriate resources, students are motivated to complete daily readings, self-paced computer software activities, and small group discussions. Each workshop culminates in a writing task that addresses writing process, purpose and conventions.

Honors English II (1 credit)

This is the second course in the Honors English program. New themes explored in literature are man in isolation, man's conflicts with himself, and the sins of society. *The Grapes of Wrath*, *Julius Caesar*, *My Antonia*, and *To Kill A Mockingbird* are some works studied extensively. Poetry and short stories are also read. The basics of grammar are also reviewed completely in the development of effective sentences. Composition related to reading includes description and exposition and an introduction to the written analysis of literature in formal essays. Class requirements include assigned summer readings. Students must maintain grades based on school board policy. (Students new to honors English classes must apply to the department for approval before registering for this course.)

English II (1 credit)

This course is designed to assist students in developing reading and writing skills. Through a variety of novels, short stories, and poetry, students will study analysis and practice active reading strategies. *To Kill A Mockingbird*, *Of Mice and Men*, and *Catcher in the Rye* are some of the novels that students will study. Students will also begin to develop essay writing skills and practice on demand writing prompts in preparation for the SAT. Students will participate in a career exploration project in conjunction with the guidance department designed to assist in planning for post secondary education and career choices.

College Options English II (1 credit)

College Options English II is a course that explores four universal themes: survival, sports, mobs/justice, and censorship. Students will read a variety of literary forms including drama, poetry, the short story, the novel and non-fiction. Students will study vocabulary and grammar throughout the academic year as well as practice and expand their writing skills. Assessments will include regular homework assignments, quizzes, exams, projects and writing assignments.

Consultant English II (1 credit)

Practical life skills (reading and writing) are taught in this course. Admission is based on departmental recommendation and/or IEP placement.

Honors English III (1 credit)

This course is taken in the third year of the honors sequence. A survey of American literature is studied as well as *Hamlet* and the works of Hawthorne, Twain and Fitzgerald. Writing related to literature is emphasized and formal research skills are taught. Short stories, poems and nonfiction are also analyzed. Grammar and sentence structure are reviewed when necessary and vocabulary development continues. Assigned summer readings are required and grade standards are set by school board policy. (Prerequisites: Honors I and II or application to the department for special approval before registering for this course.)

College English III (1 credit)

In this college preparatory, third year course, students will read a survey of 20th century American literature. Students will write essays related to literature, they will continue to prepare for the SAT by writing timed essays, and they will practice writing college application essays. Students will learn formal research skills that include proper documentation of sources. Grammar instruction will focus on more complex constructions.

College Options English III (1 credit)

In this third year course, students will read American literature from the 20th century. Students will continue to develop their essay writing skills as well as prepare for the SAT and practice application essays. Students will work on developing sound reading comprehension skills and learn to research effectively.

Advanced Placement English IV (1 credit)

This fast-paced rigorous course is taught at the level of a freshman course in college. It involves analysis of world literature, formal expository writing, and research projects. All students who enroll must take the AP test which is administered in May. Assigned summer readings are required and minimum performance standards are set by school board policy. (Prerequisites: Honors I, II, and III. Any student who has not met the prerequisites must apply for enrollment and be approved by the English department.)

College English IV (1 credit)

This course provides a survey of English literature with an emphasis on modern works. Writing, involving exposition and some literary analysis, and grammar study are part of this course. Formal research skills are taught and applied in projects.

College Options English IV (1 credit)

This course focuses on Maine. Students conduct research into Maine's logging past and living conditions in the present and will read the works of Maine author such as Stephen King and Carolyn Chute. Writing assignments include college essays, personal narratives, outlines, memos, business letters and other workplace related writing.

Consultant English IV (1 credit)

This course is a continuation of Consultant English III. Admission into the class is based upon departmental recommendation and/or IEP placement.

College Composition/Introduction to Literature (1credit) (6 KVCC dual enrollment credits)

This dual enrollment KVCC course combination is designed to allow a SAHS senior to complete the English diploma requirement and allow a student to transition to college with two semesters of post-secondary credit. The composition portion of the class is a basic college level writing course that emphasizes the writing process to strengthen a student's ability to think logically and write clearly. Multiple writing skills will be emphasized and practiced through varied and numerous writing assignments including a research paper. Word processing skills are key to a student's success in this course. The literature portion will provide students with the opportunity for personal growth and insight into social problems as revealed through literature. Students will read and discuss a selection of short stories, plays, poems and novels.

Theatre (.5 credit)

All aspects of the theatre are explored: acting, makeup, costumes, set construction, theatre history and for advanced students – directing. Students will be involved in practical, hands-on projects directly related to play production.

Speech (.5 credit)

In this course, students learn to research, prepare, and present speeches in the first quarter. Oral interpretation, including the study of children's literature, poetry, monologues, and readers' theatre, will be emphasized in the second quarter. Learning is assessed through student in-class performance and reflection.

FOREIGN LANGUAGE DEPARTMENT

At all levels, students are expected to limit the use of English.

French I (1 credit)

French I emphasizes the acquisition of the comprehension of French vocabulary and eventually reading, writing and grammar. Active participation is part of the course. This course will involve learning through movements, acting out skits and storytelling.

French II (1 credit)

French II will be a continuation of the techniques used in French I, incorporating grammar and expanding vocabulary through storytelling. Students will do more extensive speaking, reading and writing in French.

French III (1 credit)

French III stresses the development of the student's ability to use vocabulary, idioms and grammatical structures to communicate a sequence of ideas. Students will acquire vocabulary through storytelling. Written and oral skills are further developed using stories, readings compositions and pictures to encourage communication. Varied conversational topics are used to promote active discussion in French. Students are expected to use French extensively.

French IV (1 credit)

French IV will continue the techniques used in French III. Students will discuss and write about readings, stories, pictures and other authentic French materials. Emphasis will be placed on speaking, creative writing and working with French materials. Students are expected to speak French exclusively.

German I (1 credit)

Students will learn the basic sentence patterns through movement, dialogues, videos and Total Physical Response Storytelling (TPRS). Students will learn vocabulary for long-term memory through gestures by listening to and seeing stories acted out and by retelling the story with partners in class. Students will read short articles in *Das Rad* magazine, will read selected short stories, write stories and learn specific points of grammar. Student participation is very important. Students will take a teacher prepared exit exam.

German II (1 credit)

Students will continue to learn German through TPR Storytelling. They will learn several verb tenses and complex sentence structures through stories, articles in *Schuss* magazine, dialogues and the videotape series *Fokus Deutsch* and *Hallo aus Berlin*. Students will act out scenes, stories, folk tales and legends. They will engage in paired speaking activities. German II students will take the German 2 AATG-National German Exam.

German III (1 credit)

Students will read and discuss the main ideas and themes of short stories, tales, legends, and *Aktuell* magazine articles. Students will view, discuss and write about the themes of the *Fokus Deutsch* series in German. German III students will take the German 3 AATG-National German Exam.

German IV (1 credit)

Students will discuss and write about current topics taken from foreign language sources on the internet, stories, poems, and short books. Students will conclude viewing, discussing and writing about the videotape series *Fokus Deutsch* and the *Impressionen aus Deutschland* series. German IV students will take the German 4 AATG-National German Exam.

Spanish I (1 credit)

Spanish I will be taught mainly in Spanish, emphasizing comprehension through movement. Participation in class is expected. Emphasis will be on communication, listening skills, and speaking. Storytelling techniques will be employed as well. Grammar will be taught through storytelling.

Spanish II (1 credit)

Spanish II will be a continuation of the techniques used in Spanish I, incorporating essential grammar. Students will be expected to do more reading, writing and speaking in Spanish.

Spanish III (1 credit)

Spanish III is for students who have completed two years of high school Spanish in good standing. Equal emphasis is placed on reading, listening, writing and speaking. An introduction to Spanish literature will be included.

Spanish IV (1 credit)

Spanish IV is for students who have completed three years of high school Spanish in good standing. It consists of a fast paced review of Spanish grammar, pronunciation and vocabulary with an emphasis on oral communication. Following the initial review the class will study advanced grammar and culture through the reading of Spanish literature.

The Honors Spanish program is designed for those students with a strong interest in Spanish and for those who may wish to take the AP Spanish exam for college credit.

Honors Spanish II (1 credit)

This course is the first in the sequence of Honors Spanish classes. The class will involve a challenging study of basic Spanish grammar and vocabulary. It will require students to develop writing skills, reading ability and increase fluency through classroom practice and presentations. Admission is based on grades and recommendation.

Honors Spanish III (1 credit)

This course is the second in the sequence of Honors Spanish classes. The class will involve an in-depth study of Spanish grammar, the reading of more difficult Spanish texts, the acquisition of additional writing skills and increased fluency through classroom presentations and projects on cultural topics. Admission is based on grades and recommendation.

GENERAL INTEREST ELECTIVES

Enrichment Resources I (1 credit) (Grades 9 and 10)

To be eligible to participate, students must have participated in an Enrichment Program at the middle school or obtain permission from the instructor. Human Species Across Time—an in-depth analysis of the development of the human species, looking at the anthropological, cultural, psycho-physiological behavioral models; this approach will probe the history of various cultures as well as the contemporary world looking at the arts, popular culture, concept of civilization, gender roles and other bedrock elements integral to the human condition.

Enrichment Resources II (1 credit) (Grades 11 and 12)

To be eligible to participate, students must have participated in an Enrichment Program at the middle school or obtain permission from the instructor. American and world issues—students may build upon the Human Perspectives theme or go into a totally different direction...focusing upon a specific cultural/geographical problem each semester and developing in-depth projected solution...through concrete procedures.

MATHEMATICS DEPARTMENT

The consultant math program courses are only for those students who have been recommended by teachers or through IEP placement.

Algebra I (1 credit)

Algebra I is an introduction to algebra rules and topics including linear functions, quadratic functions, solving equations, inequalities, and systems.

Daily Algebra (.5 elective credit)

Semester one will focus on basic concepts of numbers, variable, and patterns, order of operations, the structure of the number system, and solving real world problems are emphasized. Semester two is an introduction to rules and topics include linear functions, quadratic functions, solving equations, inequalities, and systems. Prerequisite: Students must be enrolled through the IEP process, teacher and/or guidance counselor recommendation.

Honors Algebra I (1 credit)

This course is the same as Algebra I, but is more demanding.

Geometry (1 credit)

Geometry is a course in plane geometry which covers lines, triangles, circles, polygons and coordinate geometry. Projects are required. (Prerequisite: Algebra I)

Daily Geometry (.5 elective credit)

Daily Geometry is a forty minute elective class designed for the student that may need extra instruction and/or time to successfully complete the requirements for College Geometry. Prerequisite: Students must be enrolled through the IEP process, teacher and/or guidance counselor recommendation.

Honors Geometry (1 credit)

This course is the same as Geometry, but is more demanding. (Prerequisite: Honors Algebra I or approval of the department)

Algebra II (1 credit)

This course is a continuation of Algebra I (Prerequisite: Successful completion of Algebra I and Geometry)

Consultant Algebra II (1 credit)

This course is designed to meet the needs of students as identified in an IEP or a student's math instructor. Consultant Algebra I and Consultant Geometry are prerequisites.

Honors Algebra II (1 credit)

This course is the same as Algebra II, but with more depth. (Prerequisite: Successful completion of Algebra I and Honors Geometry or approval of the department)

Trigonometry and Pre-Calculus (1 credit)

This course reviews Algebra II stressing the graphic approach to the solution of problems. In addition the course covers the following topics: exponential and logarithmic functions and trigonometric applications. (Prerequisite: Successful completion of Algebra II)

Honors Trigonometry and Pre-Calculus (1 credit)

This course is the same as Trigonometry and Pre-Calculus but with more depth. Projects are required. (Prerequisite: Successful completion of Honors Algebra II or approval of the department)

Calculus (1 credit)

This course covers the fundamentals of differential and integral calculus. It is intended to develop manipulative skills by provided a sound intuition about the concepts. Applications, rather than theoretical structure will be stresses. A project will be required. (Prerequisite: Trigonometry and Pre-Calculus)

AP Calculus (1.5 credits)

This course is a rigorous extension of calculus. Students will be required to take the AP exam. (Prerequisites: Honors Trigonometry and Pre-Calculus or by approval of the department)

Statistics and Probability (1 credit)

This course covers probability topics of simple events. It also covers statistics through some of the validity tests such as Chi Square. The course is offered to any student who has had an Algebra II course or is concurrently enrolled in Honors Algebra II.

AP Statistics and Probability (1 credit)

This course is a rigorous extension of Statistics and Probability. Students will be required to take the AP exam.

Technical Math (1 credit) (3credits from KVCC)

This course is designed for students who have completed high school math requirements, but are not ready to take Trigonometry. The first semester is designed as a remedial math for students who have not passed an accuplacer test. The second semester students would be enrolled in a KVCC MAT 114 Technical Math course. This course will provide students with the concepts, principles, and problem solving techniques and skills needed in diverse occupational fields. Interactive techniques will be used which emphasize an understanding of the topics followed by applications of math concepts using problem solving computations. Topics covered include the numbering system, percents, charts, tables and graphs, calculation in both S.I. (metric) and the English systems, algebraic operations, simple equations, ratio and proportions, fundamentals of plane geometry, angular measure, triangles, area and volume calculations of various geometric shapes, introduction to right angle trigonometry. There will be an option for students to take an on-line MAT 117 (College Algebra) instead of MAT 114 if there is room. There may be a charge for this course due to KVCC requirements. (Prerequisite: Successful completion of Algebra I, Geometry, and Algebra II)

Senior College Algebra (1 credit) (3 credits from KVCC)

The course is designed for students who have completed high school math requirements but are not ready to take Trigonometry. The first semester is designed as a comprehensive review math for students transitioning to college after high school. The second semester students would be enrolled in a KVCC MAT 117 College Algebra course. The emphasis of this course is on problem solving. This course unifies the traditional analytical methods of Algebra with the modern graphing technologies in order to solve problems modeled by a variety of functions such a linear, quadratic, absolute value, polynomial, exponential and logarithmic. The central theme is authentic applications from traditional disciplines such as the physical sciences and engineering, as well as applications from business, economics, social sciences, life science, health science, sports and other areas of student interests. This course is appropriate for students whose future studies of mathematics include applications based courses such as Statistics or Math for Business and Economics. (Prerequisite: Successful completion of Algebra I, Geometry and Algebra II)

MUSIC DEPARTMENT

Band (1 credit)

Band is a performing ensemble provided opportunities for students with pervious band instrument experience to expand their skills on their instrument and play music of many varied genres. Performances include seasonal concerts, sporting events, school assemblies, tours and parades. Periodic proficiency evaluations are given to assess individual progress. Members earn academic credit for successful completion of the requirements. Students are encouraged to pursue further experiences with Solo & Ensemble Festivals, Jazz Festivals, Mid-Maine Youth Orchestra and Kennebec Valley and All-State Music Festivals.

Chorus (.5 credit) (40 minute class)

Chorus is a performing ensemble providing opportunities for students who desire a choral ensemble experience to improve and expand their vocal skills by performing music of many varied genres. Performances include seasonal concerts, exchange concerts, sporting events, school assemblies, tours and parades. Periodic proficiency evaluations are given to assess individual progress. Members earn .5 academic credit for successful completion of the requirements. Students are encouraged to pursue further experiences with Jazz Festivals, Kennebec Valley and All-State Music Festivals. Previous experience or permission of the director required.

String Ensemble (.5 credit) (40 minute class)

Strings/Orchestra is a performing ensemble that provides opportunity for students with previous orchestra instrument experience to expand their skills on their instrument and play music of many varied genres. Performances include seasonal concerts, assemblies and tours. Periodic proficiency evaluations are given to assess student progress. Members can earn .5 academic credit for successful completion of requirements. Students are encouraged to pursue further experiences by participating in string opportunities outside of the school day.

Music Appreciation Technology (1.0 credit)

The course will cover the history of American Popular Music beginning in the late 1800's and progressing through to the present day. Topics to be covered: Minstrel Shows, Vaudeville, Ragtime, Early Jazz, Radio, Film Industry, Movie Musicals, the birth of rock and roll, musical theater, Jazz fusion, disco, rap, alternative rock, hip hop and techno. Each unit of study will include a project involving the use of our available computer technology. Among the technological resources utilized are Key Note, GarageBand, iTunes and iMovie.

Guitar/Music Theory (1 credit)

The course will cover the reading of music through guitar. Performances will be left to the discretion of the teacher and students.

PHYSICAL EDUCATION AND HEALTH DEPARTMENT

Physical Education (.5 credit)

Two semesters of physical education are required to meet graduation requirements. Physical Education I (fall semester) and Physical Education II (spring semester). Appropriate clothing and sneakers are required to be worn by all students. If a student is not prepared for class, he/she will not receive credit for that day. Each activity includes working on skills, knowledge of the activity and general play. Individual, dual and team sports in conjunction with lifetime activities are offered.

Semester 1

Ultimate Frisbee/Disc Golf
Golf
Mountain Biking
Geocaching
Basketball/Aerobics Dance/Fitness Activities
Volleyball
Bowling
Brisketball/Team Hand Ball/Strength Training Fitness
will be rainy day activities

Semester 2

Badminton/Ping Pong/Weight Room Activities
Snowshoeing
Archery
Golf
Lacrosse
Softball/Track
Bowling
Speedball/Team Hand Ball/Strength Training Fitness
will be rainy day activities

Adaptive Physical Education (1 credit) (Graded Pass/Fail)

This is a modified physical education program that includes activities that work on physical skills, knowledge of activities, and general play in both individual and team activities. Students must be recommended through the IEP process or by the instructor.

Advanced Physical Education (.5 credit) (Graded Pass/Fail)

This is an elective course for those students who have completed two semesters of Physical Education. A variety of activities will be offered including individual, dual, and team sports as well as lifetime activities. Concentration will be on advanced skills, competitive games and tournament play. Students may enroll with instructor's approval only.

Health (.5 credit)

This course is required for graduation and it is strongly recommended that it be completed during the 9th grade. Material covered includes the following: Personal Health, Safety and Accident Prevention, Growth and Development, Family Life, Prevention and Control of Disease, Substance Use and Abuse, Environmental Health, Consumer Health and Community Health.

SCIENCE DEPARTMENT

Honors Chemistry (1.5 credit)

This course is designed to challenge the most capable students. The College Chemistry curriculum is used as a foundation, which is enriched in depth and breadth. Special emphasis is given to dimensional analysis, stoichiometry and qualitative analysis. (Prerequisite: Algebra II or concurrently taking Algebra II)

College Chemistry (1.5 credit)

This course is designed to develop fundamentals of chemistry using an investigative approach. Analytical reasoning and problem solving are stressed rather than recall of factual information. The course should contribute to the development of the students' abilities to think clearly and to express their ideas orally and in writing with clarity and logic. Much time is spent in development of broad ideas of conservation of mass and energy, and atomic and molecular structures. Special emphasis is given to dimensional analysis, stoichiometry, qualitative analysis and a study of long term environmental issues. (Prerequisite: Algebra I and Geometry)

College Options Chemistry (1 credit)

This course is designed to explore the importance of chemistry in everyday life by emphasizing descriptive chemistry and carefully developing quantitative concepts. Students will use the principles of chemistry to think intelligently about current issues and to develop a lifelong awareness.

Consultant Chemistry (1 credit)

This course is designed to meet the minimum science credit requirements. It will cover basic chemistry concepts. Enrollment into this course is by the IEP process or by teacher recommendation.

Anatomy and Physiology (1 credit)

This course presents the basic principles of human anatomy and physiology, and is designed for the serious science student who plans to pursue a career in medicine, nursing, medical or lab technology, biology, zoology, pharmacy, physical education or physical therapy.

College Physics (1.5 credit)

This is an activity oriented course designed for college and non-college bound students. Physics is the study of the “How Stuff Works.” Physics is about understanding matter, motion, astronomy, energy, sound, heat, light, electricity, and magnetism. It is taught through the language of mathematics. The course should continue the development of the students’ abilities to think clearly and problem solve in a variety of situations. (Prerequisite: Algebra II)

College Options Physics (1 credit)

This physics course is designed for students planning to attend a two year or certificate program at a community college or trade school and for students with a limited math background. It covers such topics as motion, energy, heat, sound, electricity and magnetism, light and simple machines. Emphasis is placed on learning important concepts through laboratory activities. Ability to work with decimals, fractions, and basic algebra is required.

Consultant Physics (1 credit)

This course is designed for those students planning to attend a two year or certificate program at a community college or trade school. Course topics are: basics of motion, Newton’s Laws, momentum, work, energy, power, simple machines, hydraulics, sound, light, and electricity. Enrollment into this course is through the IEP process or by teacher recommendation.

SOCIAL STUDIES DEPARTMENT

Honors Geography (1 credit)

Students will be accepted into this course based on the requirements approved by the Social Studies department and the School Board. This course follows the geography curriculum, but more supplemental materials will be utilized in the class instruction and more research skills and projects will be stressed. The level of instruction and expectations for performance are demanding. Topics will include an introduction to geography in the form of map work to familiarize the student with the major land and water features of the world. The five themes of geography will be taught and continually emphasized throughout the year. The terminology associated with and recognition of how physical geography has shaped both the physical and cultural world will also be taught. Cultural geography through the study of Australia, Oceania, Asia and portion of Africa will be covered with emphasis on current events in each region.

Geography (1 credit)

Topics will include an introduction to geography in the form of map work to familiarize the student with the major land and water features of the world. In addition, the five themes of geography will be taught and continually emphasized throughout the year. The terminology associated with and recognition of how physical geography has shaped the physical and cultural world will be taught. Cultural and physical geography through the study of Australia, Oceania, Asia and parts of Africa will be studied with emphasis on current events in each region.

Consultant Geography (1 credit)

This course covers the same curriculum as Geography except it is taught at a slower pace than the traditional program. There is emphasis placed on repetition, life skills such as map reading, and hands-on activities. This course is taught using a team teaching approach which includes a social studies teacher and a special education teacher. The format allows for more individualized instruction and smaller class size.

AP United States History Part I (1 credit) (Grade 10)

Due to the scope of the curriculum of this class, it will be completed over a two-year period. During the first year of this program, students will do in-depth study from exploration to the 1900's. Students will be expected to complete research papers, book reports, and supplemental readings and to actively participate in classroom discussions. This is a rigorous course designed for students who enjoy a challenge. Upon successful completion of this two year course, students will be prepared to take the AP exam in U.S. History which may result in college credit. This class has limited enrollment and selection will be based on the recommendation of the freshman geography teachers and the requirements approved by the Social Studies department and the School Board.

AP United States History Part II (1 credit) (Grade 11)

This fast-paced, rigorous course will continue the sequence established in AP U.S. History Part I. Students will be expected to complete research papers, book reports, and supplemental readings and to actively participate in classroom discussions. This course is designed to prepare students for the senior AP Government course. Students will be expected to take the AP exam. The results of the exam will determine college credit. This course has a limited enrollment and selection will be based on the recommendations of the AP U.S. History Part I teacher.

United States History Parts I & II (2 credits)

*To begin 2011-2012 for the Class of 2014 moving forward.

US History is a two year course of study with credit awarded on a yearly basis. Sophomores will take Part I and juniors will take Part II. The following themes are designed to have students think conceptually about U.S. History over the two year period of the course: American Diversity, American Identity, Culture, Demographic Changes, Economic Transformations, Environment, Globalization, Politics and Citizenship, Religion, Reform, Slavery and Its Legacies in North America, War and Diplomacy.

United States History I (1 credit) (Grade 10)

This course is taught chronologically emphasizing key periods in United States history including: the Age of Exploration and Colonization, the Revolution Years, the Civil War Era and Reconstruction, and the Gilded Age through the end of the 19th century. A thematic approach to historical investigation encourages students to understand and appreciate the key events and fundamental principles that combined to form the foundations of the American nation.

United States History II (1 credit)

U.S. History will focus on events starting with the Spanish American War. Students will continue their study of the United States as a world power, the Progressive Era, the 1920's and the Great Depression. The course is designed to prepare the prospective college student by focusing on present day problems and discussing possible solutions in light of past experiences in American History. Students will continue the study of history from World War II and move through the Korean War, the Cold War, the Civil Rights Movement, the Vietnam War and the 70's, 80's, and 90's.

College Options United States History II (1 credit) (Grade 11)

This course covers the same material as the college program. Greater emphasis is placed, however, on skills such as map reading, graphs, pictures and social issues.

Consultant United States History I (1 credit) (Grade 10)

This course will cover the same curriculum as the college program; however, greater emphasis is placed on hands-on activities, reading skills and small group projects.

Consultant United States History II (1 credit) (Grade 11)

This course will cover the same curriculum as the college options program; however, greater emphasis is placed on hands-on activities, reading skills and small group projects.

AP American Government (1 credit)

Students will be accepted into this course based on the recommendation of the U.S. History teachers and the requirements approved by the Social Studies Department and the School Board. To remain in this course, the student must demonstrate consistent study habits, be highly self-motivated, demonstrate good writing skills and have the ability to analyze and interpret information. Students with an average below 80 will only be permitted to stay in the course upon recommendation of the teacher. The curriculum is designed to give a more in-depth study of American Government. Supplemental materials and research are used frequently in addition to the text. Summer reading, a journal, and year-long portfolio are required. Students enrolled in this course will be expected to take the AP exam to determine college credit. The curriculum for the Advanced Placement test will be followed.

College American Government (1 credit)

This course is designed to give college bound students an overall view of the structure, functions, duties and responsibilities of the American system of government. In addition, world governmental systems, economies, and foreign policy issues are explored. A discussion of contemporary issues will be carried on throughout the year. Selected readings and periodicals are used to supplement the course. A year-long portfolio is required. Students will be required to have a three to four inch binder. Topics will include units on political philosophy, political parties, voting and citizenship, the political process (media, campaigns, election, and public opinion), the basis of democracy, federalism, forms of government, and economic systems. The course includes units on historical foundations of the Constitutional government in the United States, an in-depth study of the Constitution, civil rights and liberties, the legislative branch, the executive branch, the judicial branch and American foreign policy.

College Options American Government (1 credit)

This course is designed to give students an overall view of the structure, functions, duties, and responsibilities of the American system of government. A discussion of contemporary issues will be carried on throughout the year. Extra emphasis will be given to hands on and project based learning. Outside reading will be done from newspapers and magazine articles. A year-long portfolio will be required. Students will be required to have a three or four inch binder. Topics include units on political philosophy, political parties, voting and citizenship, the political process (media, campaigns, elections, and public opinion), the basis of democracy, federalism, forms of government, and economic systems. The course includes units on historical foundations of the Constitutional government in the United States, an in-depth study of the Constitution, civil rights and liberties, the legislative branch, the executive branch, the judicial branch, and American foreign policy.

Consultant American Government (1 credit)

This course covers the basic American political system and foreign affairs. By using a team teaching approach, attention is given to the individual needs and learning styles of students. Contemporary issues and the use of periodicals are used to enhance citizenship responsibilities and view world issues. Extra emphasis will be given to hands-on and project based learning. A year-long portfolio will be required. Students will be required to have a three inch binder.

Psychology I & II (1 credit) (Grades 11 & 12)

This course reviews the history of development of psychology, careers, psychological approaches, research methods and statistics, basic types of therapies, contributors, theories of personality and learning, and brain research. Students will explore research and theory and examine its personal and professional applications.

SPECIAL EDUCATION DEPARTMENT

Learning Lab (.25 credit)

The Learning Lab was created to help freshmen make a smooth transition to the high school. Developing study habits, completing homework, breaking long-term projects down into manageable units are the focus of the teachers and educational technicians. Students seeking assistance with coursework in the Learning Lab should be prepared to keep an assignment notebook and make a commitment to using time in the Learning Lab constructively.

Consultant Courses

The special education department at Skowhegan Area High School is committed to the delivery of services in the regular classroom. The consultant model offers a wide range of courses. In these classes, a special education teacher and a content area teacher are available to provide access to the regular curriculum with modifications for individual students.

Standard Skills Instructional Program

This program is designed for special education students who are in need of instruction in basic skill areas. The program provides students with specialized instruction and practice in the following subject areas: English, Reading/Writing and Mathematics. The goal of the program is to develop knowledge and to further develop skills in the core subject requirements as well as independent study skills. Students will be recommended to enroll in the program through the IEP process.

Standard English (1 credit)

The Standard English course is designed for freshmen through seniors which includes instruction in basic reading, writing and oral communication skills. Emphasis is placed on application to real-life salutation. Goals and objectives for each student will be coordinated with a student's unique abilities and will be reflective of each individual's IEP.

Standard Reading/Writing (1 credit)

Instruction is available for students who have significant reading and writing challenges. The programs used to remediate reading and writing deficiencies are research-based interventions combined with individual reading choices to encourage skill development and life-long love of learning.

Standard Math (1 credit)

The objective of this course is to help students acquire the math skills necessary for daily living. Topics vary depending on student need but may include measurement, time, money, number sense, and basic math operations which also include fractions, decimals, ration and proportion, integers, patterns and an introduction to variables. Emphasis is placed on real-life situations and hands-on activities. Student placement in this course is by IEP determination.

Functional Life Skills and Prevocational Skills Program

The Functional Life Skills Program is for students with special needs whose individual abilities and needs require an intensive and extensively planned program stressing the acquisition of functional life skills. The students involved in this program are between the ages of 15 and 20 years of age and have a wide variety of handicapping conditions; i.e. mild and moderate mental retardation, social adaptation deficits, emotional and behavioral problems and physical mobility difficulties.

Adaptive English 1 (1 credit)

Focuses on vocabulary development, sentence structure and comprehension

Adaptive Social Studies (1credit)

This is a modified and adapted curriculum that allows the functional life skills student to meet academic requirements in Geography, U.S. History and Government.

Adaptive Science (1credit)

Topics include basic physical science, the environment, people and the environment and health issues.

Independent Living Skills (.5 or 1 credit)

This course provides experiences and activities which are designed to strengthen self-discipline, self-image, and self-confidence. Skills students need to prepare for a future of living independently are the focus of Independent Living Skills.

Food Preparation and Nutrition (.5 or 1 credit)

This course teaches basic nutrition, purchasing, storing and preparing foods, developing simple and healthy eating habits, light housekeeping and laundry skills.

Work Transition (.5 or 1 credit)

This is a course to assist students in understanding what jobs exist in the community. It affords students the opportunity to visit the various locations. Job shadowing and work experience take place within the community.

TECHNOLOGY AND CAREER PREP DEPARTMENT

The mission of the Technology and Career Prep Department is to serve the academic and personal needs of all students. The department's responsibility is to provide a program of business, computer, and career training that will provide students with the knowledge and skills to prepare them for college, business employment, and/or to manage personal finance.

Street Law I (.5 credit)

Introduction to Law (Student Rights & Responsibilities) – This course is designed to show how laws are created, implemented and changed. Students will learn law terminology that will enable them to understand our legal system. Students will discover how our legal system came about and how many laws pertain to them.

Criminal Law – Crime is a major problem in America. It is necessary for every citizen to understand the nation's attempts to deal with crime. This class will include topics such as the history of criminal law, types of crimes, the American Justice System and the Constitution, arrests and searches, pretrial procedures, youth and criminal law.

Street Law II (.5 credit)

Consumer Law (Contracts, Leases, and Credit) – There are many consumer laws which have been changed and have had an impact on our society. In this class, some of the laws will be covered such as how contracts are made, the Uniform Commercial Code, product liability, borrowing money, debtor protection and government regulations of business.

Family Law (Marriage and Divorce) – This is about the law of marriage and the family. It will cover the meaning of marriage, the right to have and keep children, divorce and separation, custody of children and division of property.

College Accounting (1 credit)

This is an accelerated course that is designed to provide the college preparatory student with a sound foundation for accounting in college. In this class, you will learn accounting and spreadsheet software to prepare financial documents for sole proprietorships, partnerships, and corporations. Both service and merchandising businesses will be taught. This course is highly recommended for all students considering business administration, economics, computer science, accounting and finance careers. Three college credits can be earned if a student qualifies. Ask for more information in guidance.

Sports and Entertainment Marketing (.5 credit)

Sports, entertainment, and hospitality markets will be studied. Find out what it takes to sell in these highly competitive markets. This course is designed for the student who is interested in developing an understanding of marketing and advertising. Emphasis will be on the elements of promotion (selling, public relations, publicity, advertising, and sales promotion) and how it contributes to the success of a business. Sports, entertainment, and hospitality businesses will be studied. Learn to manage a business in these competitive areas. Develop business plans, find suppliers, plan inventory, and investigate the pros and cons of e-commerce.

Start Your Own Business (.5 credit)

Do you have what it takes to “Mind Your Own Business?” Now you can find out without the risks. This course is devoted to the management and development of a small business. After managing a virtual business, students will develop a plan for a business which could become a blueprint for a future business.

Career and College Prep (.5 credit)

This course is all about YOU! It is designed to assist students in successfully establishing and achieving education, career and life goals. Using a variety of techniques and assessments, students will discover what they value, what skills they have, what their interest are, and how to match these attributes to a career. Students will select and research several careers of interest and explore colleges through websites, video presentations, and speakers. Students will practice filling out college applications, job applications, creating an effective resume, effective interviewing skills, financial aid and scholarship research will also be included. Students will develop a personal employment/career portfolio in two versions electronic and hard copy. Various technology programs will be used to enhance the learning of career research/planning

Financial Literacy (.5 credit)

This course prepares you to manage your savings, checking, credit, insurance and other personal financial issues you must know in order to make it on your own in the “real world.”

Computer Education

It is recommended that students take at least two semesters of computer classes to become proficient in computer use and technology.

Multimedia/Web Page Design (.5 credit)

This course will aid students in the development of multiple technology skills and presentation techniques. Students will combine media resources such as sound, graphics, video, and text to communicate the information in an effective manner. Students will prepare a variety of presentations and create several web sites using design software. Emphasis will be placed on effective strategies of communicating through group presentation and display on the World Wide Web.

Computer Art I (.5 credit)

Computer Art I introductory level course that uses Photoshop CS3 Photoshop Elements as the primary software. Students learn the basics creating digital art through guided instruction and projects. Students will be introduced to the elements and principle of design and knowledge required to appreciate arts role in society.

Computer Art II (.5 credit)

Computer Art II explores more advanced Photoshop concepts and design techniques. Photoshop CS3 is the primary software. This course required Computer Art I or an experience in Photoshop or comparative software. There is more emphasis on presentation. (Prerequisite: Computer Art I)

Intro to Programming (.5 credit)

Do you have an interest in programming? Put your problem solving skills to the test by creating game and application programs. Learn to create applications in Visual Basic and to create games using a drag and drop programming language, sprites and scripting.

SOMERSET CAREER AND TECHNICAL CENTER

Students wishing to participate in Career and Technical classes may select a program of interest offered at the CTE Center. Courses at the Center are available to juniors and seniors from all Somerset County school districts. Students must complete an application for a program and attend an interview with the program instructor.

CTE Program College Credits and Credentials

	Dual Enrollment	Articulation Agreement	National/State Certification
Automotive	X	X	X
Cooperative Education			X
Culinary Arts	X	X	X
Digital Graphic Arts	X	X	X
Early Childhood Education	X		X
Electrical Construction	X		X
Health Care Careers			X
Information Systems Technology	X	X	X
Outdoor Resources	X	X	X
Residential Construction		X	X
Welding Systems		X	X

Automotive Technology I & II (3 credits each year)

This is a two year program which prepares students for post-secondary training and provides entry level skills necessary to be successful in the automotive profession. The program includes classroom technical theory as well as hands-on repair activities related to engines, computer engine control, cooling, fuel, lighting, ignition, brake systems, clutches, transmission, differentials, front wheel drive and alignment. The student will perform all phases of general repair in a safe manner on automobiles and truck as well as doing tests, diagnoses and repairs on various components of the vehicle. Possible occupational opportunities are automotive technician, parts clerk, parts manager, service manager, salvage yard owner, auto salesperson, service station attendant, service station owner and insurance adjuster.

Cooperative Education (3 credits)

The Cooperative Education Program is a School-to-Work/School-to-Career Program that helps students experience job placement in business and industry. The program is designed so that a student will spend part of the school day in the academic setting and part of the day on the job. The objective of the course is to find training stations that will meet the needs and interests of the students who desire occupational training. Prior to entering work experience activities, a Cooperative Agreement stating the expectations of the program is signed by the student, parent, school personnel and employer. Each student is required to take the Cooperative Education related class that provides instruction in world of work responsibilities. Some of the units presented are how to acquire employment, personal development, the importance of health and grooming, employee-employer relationships, types of insurance and various consumer education topics. Students have the opportunity in the Cooperative Education Program to enter into the Pre-Apprenticeship program in a trade area. Students who complete the Pre-Apprenticeship Program will be eligible to enter the Maine Registered Apprenticeship program upon graduation and will apply documented hours to the Apprenticeship program in their trade area.

Culinary I & II (3 credits each year)

This is a two year program offering students a chance to develop job entry level skills and the proper work attitude for the food industry. The first year is based on the front and back house duties of operating a restaurant. Tasks included are: waiting on customers, handling money, and properly presenting food. The first year includes the basic skills of food preparation and cooking such as the producing of stocks from which soups and sauces are made, applying heat for beef, poultry and fish, baking of desserts and breads. The second year provides further experience in improving basic skills through more in-depth hands-on experience. Instruction is provided for menu planning and business practices necessary for operating a small restaurant. Students may receive 1-3 dual enrollment credits from Maine Community Colleges and "Serve Safe" certification.

Digital Graphic Arts I & II (3 credits each year)

This two year course teaches the digital approach to typesetting, page layout, illustration, and image manipulation. To accomplish this, the lab is well equipped with G5 Macintosh computers, scanners, digital cameras, drawing tablets, grayscale and color laser-writers and ink-jet printers. Students will learn to use the current versions of Adobe Creative Suite professional-level software. In the first year of the program, students learn the basics of typography, page design and layout, illustration, basic scanning and digital imaging. While some lessons are class wide with the students and instructor participating in discussions and demonstrations, most lessons are delivered via individual training manuals allowing students to proceed at their own pace. Skills are practiced and perfected by completing jobs and projects for local school districts and area non-profit organizations. Students will also develop school-to-work transition skills including resume writing and portfolio development. Students will take an OSHA CareerSafe course online and may earn a nationally recognized certification. Second year students will continue to learn and practice intermediate and advanced levels of the software using the same instructional methods while practicing those skills on more sophisticated and challenging, graphic arts projects. Students who successfully complete the senior year curriculum may be able to earn college credits issued by various Maine colleges. Students may also have an opportunity to earn the Adobe Certified Associate certificate from the software manufacturer.

Early Childhood Education I & II (3 credits each year)

The Early Childhood Education program is a two year course for CTE students who are interested in working with young children. This program is an exploration of all aspects of child growth and development from birth through age twelve. Students will engage in rigorous coursework to include: theories of child development, psychology and sociology, skills and knowledge in health and safety, child development, guidance, discipline, social/emotional growth, cognitive development, curriculum planning. In the first year of the program students work to complete the State of Maine Early Childhood Teacher Assistant Certification. As part of this state recognized certification, students are required to complete 180 hours of instructed time, 180 hours of field experience working with young children, CIP and First Aid Certification and take the National Occupational Competency Test. In the second year, students have the opportunity to complete the coursework in Early Childhood Education in partnership with Kennebec Valley Community College. This will provide them college credit through our dual enrollment agreement. They may also choose to participate in independent field experience in local pre-k and public elementary school programs.

Electrical Construction I & II (3 credits each year)

Electrical Construction is a two year program designed to cover the common wiring practices used in residential applications. Hands-on projects in the shop account for a large portion of the first year student's time. Students, when working in the shop area, are independent and self-paced. Along with work in the shop, student study units in the National Electrical Code, basic electrical theory, conduit bending, and schematic wiring diagrams. Student also have the opportunity to acquire a Maine Electrical Helpers license and an OSHA-10 safety certification, which will greatly enhance their ability to land a summer job in the electrical field. Second year students study advanced units of the National Electrical Code, blue print reading, solar energy, and fire alarm systems. These students divide their time between shop and real electrical projects. In the shop, students install service entrance equipment and design and build motor control circuits. The students work on electrical projects through the school and install the electrical systems in the houses and other projects built by the Carpentry students. Students completing both years of the program have the opportunity to earn college credits in the Maine Community College system.

Health Care Careers (3 credits)

This is a one year program for juniors pursuing any Health Care Career. The curriculum serves as a stepping stone to increase your medical knowledge, develop basic and intermediate patient care skills and increase your ability to make an informed decision regarding a health field career. During the year, students are presented with situations which demonstrate the integration of multiple health care disciplines.

Health Care Exploratory (1 credit) (Grade 11)

The students begin the program with a generic curriculum which presents care, ethics, and safety aspects included as a basis of all health care careers. Each student then works with his or her curriculum of choice. Each student explores at least one other career as presentations/job shadows, and other experiences are planned with health care professionals to increase students understanding of the interdisciplinary work and communication required in the Health Care Industry. In both programs, students interested in entering the medical field, (physicians), Nursing, Physical Therapy, Occupational Therapy, X-Ray Technology, Laboratory Technology, Respiratory Therapy, Paramedic Services, Veterinary Medicine, Dental Services, and others will work on academics and skilled projects. CPR and First Aid certification are offered.

Intro to Health Care (1 credit) (Grade 10)

Information Systems Technology (3 credits)

Information Systems Technology is designed for tomorrow's professional computer or business specialist. If you are interested in the fast-paced environment of the global workplace, the virtual office, e-commerce, compute repair and networking, game creation, 3D and animation, web development, video production or software design, the IST is what you need. Students may choose from the following options: Accounting, Finance, entrepreneurship management office specialist-Microsoft Office certification and dual enrolled credits, Computer repair and networking-Cisco, Networking TESTOUT certifications dual enrollment credits, Multimedia technology, Special Effects technology-AUTODESK, 3D Max, Maya, Mudbuilder, FINALCUT PRO, Web design development-ADOBE CS, Dreamweaver, Flash, Photoshop, Fireworks, HTML, dual enrollment credits, Software development-Visual Basic, code and design in several programming languages, dual enrollment credits, Robotics is available in all programs.

Outdoor Resources I & II (3 credits each year)

This two year course is designed to introduce students to the natural resources and outdoor recreation industries. The course is based on the traditions of the Maine Guide. A Guide must have a broad base of outdoor knowledge, a Guide must provide guests with outstanding service and most importantly, a Guide must be a safe and responsible leader. Units of study will include: Guest Services, Forestry, Wildlife, Conservation, First Aid and CPR, Map and Compass, Surveying, Global Positioning Systems, Wilderness Rescue, Whitewater Rafting, Wilderness Canoeing, Personal Development, Team Development, Problem Solving Initiatives, Leadership, Decision Making, Planning and Logistics, Management Training and Canoe Building. The successful student will have skills necessary to work in a variety of natural resources or outdoor recreation positions. The course provides an excellent introduction for students seeking advanced study at a technical or academic college. Successful students earn 3 college credits at Washington County Community College and 6 college credits at Unity College. Students can earn certification in First Aid and Swift water Rescue and Whitewater Canoeing.

Residential Construction I & II (3 credits each year)

Learn multi skill job applications by entering into a challenging world of building technology. Rewarding careers begin from this 2-year entry-level course giving students with positive attitudes the opportunity to enter into available job market for skilled workers. Technology skills obtained in this course include: architectural house design (drafting and computer assisted drafting), practical applications of math and science skills, earn college credits, national accredited training facility for NCCER, Maine uniform and building & energy codes, work ethic skills for industry, job interview skills, house framing, concrete foundations, interior finish, mechanical systems. Careers graduates may pursue include: architecture, engineering, general contracting, residential carpenter, building construction-secondary colleges, trade schools.

Pre-Engineering (1 credit)

Pre-Engineering is an introduction to technology using math, science and hands-on activities. Students learn the fundamentals of drafting and then begin designing projects on Computer Assisted Drawing (CAD). Projects are then constructed to support the application of technology with hands-on activities. The application of math and science in the fields of statics, hydraulics and material properties are examples of what is discovered in this class. Other technology applications include surveying, house design and architecture. Recommended prerequisite skills include: geometry, measuring, knowledge of hand tools and hands-on construction.

Welding Systems (3 credits)

The Welding Systems program is a one year program available to senior students. Students work in a construction environment while studying the National Center for Construction Education and Research Core and Level One Welding curriculum. Throughout the year, students will cover the following instructional modules: Basic Safety, Basic Construction Math, Introduction to Hand Tools, Introduction to Power Tools, Introduction to Construction Drawings, Basic Communication Skills, Introduction to Material Handling, Oxyfule Cutting, Plasma Art Cutting, Air Carbon Arc Cutting and Gouging, Base Metal Preparation, Weld Quality, Shielded Metal Arc Welding-Equipment Set Up, Shielded Metal Arc Electrodes, SMAW-Beads and Fillet Welds, Joint Fit-Up and Alignment, SMAW-Groove Welds with Backing, SMAW-Open V Groove Welds. Students have the opportunity to obtain the following credentials: OSHA Ten Hour Safety Certification, American Welding Society Certification, Cianbro Welding Certifications, NCCER Credentials. The Welding Systems program has an articulation agreement with Southern Maine Community College. This allows students to earn college credits at SMCC while still in high school.