



Albany Area Schools

INDEPENDENT SCHOOL DISTRICT 745

**2016-2017
HIGH SCHOOL
COURSE REGISTRATION
MANUAL**

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INTRODUCTION:

This registration manual is designed for use by students, parents, and teachers. It contains information about course offerings, graduation requirements, and registration procedures. It has been prepared by the Senior High staff with the following purposes in mind:

1. To give students an organized summary of courses offered at Albany Area High School,
2. To assist them in the very important process of registration and,
3. To familiarize parents with the classes their students have available to them.

This catalog will help students build a program that is consistent with their goals, interests, and abilities. It should be read carefully, and then counselors, teachers and parents should be consulted before any final decisions are made. Students must know the graduation requirements of the school and understand the general requirements of post-secondary institutions they may be attending.

Students will be preregistering in late January for the upcoming school year. They should be fairly certain of what electives they want to take because the master schedule will be built based on the preregistration requests. Classes will not be offered if a sufficient number of students have not registered for it. Changes will only be made after all students have registered and as determined necessary by the principal or counselors.

We sincerely hope parents will take the time to become involved in this registration process. We welcome the opportunity to answer any questions about subjects offered or about the registration process. Please feel free to call the offices of the individuals listed below with any questions.

Tim Wege, Jr/Sr High Principal 845-2171 x 5307
Paul Conrad Jr/Sr High Asst. Principal 845-2171 x 5305
Jessica Savolainen, Counselor (A-K) 845-2171 x 5302
Amy Olson, Counselor (L-Z) 845-2171 x 5311

GENERAL REGISTRATION INFORMATION

Please read carefully the requirements of the particular grade level you will be entering in the upcoming year. The school board has authorized all of the elective courses listed in this booklet to be "offered." This means that a sufficient number of students must register for the class before it will be actually taught. If a course you select is not taught because of insufficient numbers, your alternate selections will be substituted.

DISTANCE LEARNING (CMETS)

Eight schools: Albany, Melrose, Sauk Centre, Osakis, Alexandria, Minnewaska, Brandon-Evansville, and Parkers Prairie have entered into an agreement to work together to provide students with exceptional learning opportunities. Distance learning classes will take place in our Distance Learning Lab equipped with HD Monitors, HD cameras, and high quality sound systems.

The Distance Learning Lab allows Albany HS to offer classes which traditionally only have a few students in them. Class sizes fluctuate and are limited based on certain criteria: the size of the lab and the availability of seats from the host school. If there is a greater number of students than can fit on the system, preference will be given by seniority and grade point average.

Distance Learning allows us to expand our curriculum in a fiscally reasonable manner, but it may not be the best option for every student. Students and parents are encouraged to look closely at the classes offered on the system. They must also determine if this method of delivery will suit them and allow them to succeed in the class.

Students who register for a Distance Learning class must be certain that they want the class, because we will be billed for all slots requested. A student who drops after the April 1st deadline will be billed for the cost of the class.

TENTATIVE CMETS COURSES OFFERINGS

SEMESTER I:

College General Psychology: College General Psychology is an introduction to psychology as a biosocial science. It is designed to introduce students to the systemic and scientific study of the behavior and mental processes of human beings. Students are exposed to the psychological facts, terminology, principles and phenomena associated with the major sub fields with psychology. They will also learn about the methods psychologists use in their science and practice. Areas to be covered include research, biosocial science, learning, memory, personality, the nervous system, stress and health, social psychology, psychological disorders and therapy. College credit is available through Central Lakes College in Brainerd. PSYC 2421 General Psychology -- 4 credits. Class time is 8:20 - 9:30 or 1:50 - 3:00.

College Biology: This is an introductory course for non-science majors covering ecology, population dynamics, cell biology, photosynthesis, respiration, cell division, Mendelian genetics, and molecular genetics in the first semester of the course. Second semester covers evolution by natural selection, population genetics, phylogeny, classification, plant anatomy and physiology, comparative animal anatomy, as well as the study of major organ systems and how they maintain homeostasis. This course is offered through Fergus Falls Community College and requires students to attend labs in Osakis twice a month. (There is limited enrollment for this course.)

SEMESTER II:

College Photojournalism: This class provides an in-depth study and practice of digital photography as it relates to telling visual stories. The interplay of light and composition will be emphasized by studying examples of professional photography and then emulated in each student's individual fashion. Line, form, color, texture and movement will be explored as elements of composition. Use of natural and artificial lighting will be examined. Self-editing our work will be a major learning tool. Related projects include portait, still life, landscape, candid and action photography. Any digital camera will be OK for this class. However, to get the most from our in-depth photojournalism work, access to a functioning 35mm digital SLR camera with interchangeable lenses and an operating flash is strongly recommended. If access to the suggested photo gear is an issue, please contact the instructor. College credit available through Minnesota State Fergus Falls. 3 credits, GDTC 1126.

Post-Secondary Options Program (PSEO):

Postsecondary Enrollment Options (PSEO) is a program that allows 10th-, 11th- and 12th-grade students to earn both high school and college credit while still in high school, through enrollment in and successful completion of college-level, nonsectarian courses at eligible participating postsecondary institutions. Most PSEO courses are offered on the campus of the postsecondary institution; some courses are offered online. Each participating college or university sets its own requirements for enrollment into the PSEO courses. Eleventh and 12th-grade students may take PSEO courses on a full- or part-time basis; 10th graders may take one career/technical PSEO course. If they earn at least a grade C in that class, they may take additional PSEO courses.

There is no charge to PSEO students for tuition, books or fees for items that are required to participate in a course. Students must meet the PSEO residency and eligibility requirements and abide by participation limits specified in Minnesota Statutes, section 124D.09. Funds are available to help pay transportation expenses for qualifying students to participate in PSEO courses on college campuses. Schools must provide information to all students in grades 8-11 and their families by March 1, every year. Students must notify their school by May 30 if they want to participate in PSEO for the following school year. For current information about the PSEO program, [visit the Minnesota Department of Education's Postsecondary Enrollment Options \(PSEO\) webpage](#).

Four College Entrance Requirements:

The requirements for entrance to college may be more demanding than the Albany Area Senior High School requirements for graduation, depending upon the college and the course of study which the student expects to follow. Areas of concern often include:

1. Language Arts - Even though AHS requires four credits in English, students frequently find grammar, vocabulary and writing skills to be their major weakness in college. Therefore, students with even a remote possibility of attending college are urged to consider taking rigorous English courses to be prepared.
2. World Language - World Language is recommended for all students planning to attend a four year college since many colleges and universities require or strongly encourage one to two years of a consecutive or same foreign language for admission. If a college does not require it for admission, they may require credits in world language for completion of some degree programs.
3. Mathematics - Algebra, Geometry, Algebra II, and Algebra III are considered minimum general college preparation. For students attending a four year college, it is recommended that you take math all four years of high school. Pre- Calculus and Calculus are strongly encouraged.
4. Science - Students are urged to check carefully with the catalog of the colleges they may be interested in attending so their high school program may be planned to include subjects which the colleges require for admission or in order to pursue desired major or minor degrees.

Graduation Requirements

Students at Albany Area High School are required to have 30 credits in order to graduate. Students have the opportunity to pick up 32 credits in their four years of high school. Credits are accumulated in grades 9-12 and included in those credits must be:

1. Four credits of English,
2. Four credits of Social Studies,
3. Three credits of Mathematics including Algebra II,
4. Three credits of Science including Chemistry or Physics,
5. One credit of Physical Education, (PE 9 and an elective PE),
6. One credit of fine Arts,
7. One-half credit in each of the following: Health, Speech and Media Literacy, Technology Education 9 or Family and Consumer Science 9, Keyboarding (unless successfully completed in Junior High School), 9th grade Career Exploration and,
8. Twelve elective credits. (Eleven and one half if keyboarding is needed)

9. In addition to the required and elective credits students must meet requirements prescribed by the Minnesota Department of Education through the Minnesota Comprehensive Assessments and other assessments.

Subject Load

All students will be required to take four classes each Quarter. (Each Class is worth 1/2 credit.)

Drop/Add Policy

The purpose of this policy is to deal consistently with course drop and add requests. Change in registration is discouraged but may happen in situations that warrant it. We recognize the need for students to drop an elective course when it is found that; 1) the class does not meet the students' career goals, 2) the student's abilities do not match those required for the course, or 3) the teacher, counselor, principal and parent determine such action is in the best interest of the student.

All schedule changes must be made before the start of each quarter, and a required schedule change form must be filled out.

BLOCK SCHEDULE

Albany Area High School operates under an 85 minute block schedule. Students will register for four classes each quarter. (In some cases a course may be offered in a half block format.) A class that lasts nine weeks or one quarter will be worth one-half (1/2) credit.

DISCLAIMER:

CIRCUMSTANCES MAY REQUIRE CHANGES IN COURSE OFFERINGS, COURSE CONTENT OR SCHOOL REGULATIONS ANNOUNCED IN THIS REGISTRATION GUIDE.

Articulated College Credit (ACC)

With the advancements of technology, many jobs do not require a four-year college degree. However, most require one or two years training beyond the high school level. Two year colleges offer many diploma and degree programs that can help you prepare for the workplaces of the future.

WHAT IS Articulated College Credit?

ACC is a link between high school and two-year college programs. ACC will provide you with recommendations for math, science and communication courses, as well as courses in your specific occupation area of interest. High school and college instructors work together to create smooth pathways for students moving into technical college education.

WHAT CAN ACC DO FOR ME?

ACC can help you prepare for post-secondary education and the world of work. Some high school ACC courses will allow you to earn advanced standing (college credits) at St. Cloud Technical and Community College (SCTCC) and other technical colleges. Other courses will help you to be sure that you're ready

to succeed at the college level in academic areas. Tech Prep gives you a head start! ACC certificates mean that you can save time and money!

CAN I GET COLLEGE CREDIT FOR SOME COURSES?

Yes!! If you successfully complete courses that are identified in your registration handbook, you will be eligible to receive a ACC certificate. That certificate will allow you to receive credit for a similar course at SCTCC.

NOTE: *Student data is collected for the purpose of issuing ACC College Credit certificates and used by secondary and post-secondary for reporting program effectiveness. Any public reports are in aggregate form and protect student identity.*

HOW MUCH WILL THIS COST?

NOTHING! ACC courses are free, just like the rest of your high school courses. Our high school has a special partnership agreement with SCTCC to offer this opportunity.

WHAT COURSES APPLY FOR TECH PREP CREDIT?

The courses that apply for certification and the programs that require these courses are listed below with the AHS equivalent also explained.

Go to <http://ctecreditmn.com/> to find which Albany courses qualify for ACC

Additionally many technical college programs require advanced math and good communication skills. Check with your counselor for requirements of specific programs.

PROGRAMS OF STUDY

Albany High School wants to make sure that students have the necessary information while registering to take courses pertinent to their future goals. The Programs of Study pathways is a tool used to help with decisions on which courses a student should register for success. Please visit

www.mnprogramsofstudy.or/mnpos

to see recommended course sequences at they relate to occupations. *This website is currently being built and all information may not be available yet, but we hope it will help make the registration process easier for parents and students.*

TEST OUT / ASSESS OUT OPTION

Under state law, students are provided the opportunity to demonstrate their knowledge in a particular subject without taking the course. Students who wish to “test-out” of a course must complete the “Request to Test Out” form from the counseling office. Please see a school staff member for more information.

CAREER AND TECHNICAL EDUCATION

(Ag, Bus Ed, FCS, Tech Ed)

AGRICULTURE

Shop Safety: Students taking hands-on classes in Agriculture are hereby informed that they will be required to follow the shop rules set up by the instructor. This includes, but is not limited to, the following: students will wear safety glasses for eye protection at all times while working in the shop area or while working with chemicals, students will follow the rules for machine-tool operation as specified by the instructor, students will pass the machine-tool and shop safety test before being allowed to operate machine-tools in the shop or before working in the shop areas. Students who do not follow the rules established for working in shop areas will be excluded from the privilege of working in the shop areas until they indicate a willingness to follow the rules. The safety of all students working in the shop absolutely requires all students to follow safety rules.

#1: INTRODUCTION TO AGRICULTURE FOOD AND NATURAL RESOURCES (AFNR) introduces students to the range of agricultural opportunities and the pathways of study they may pursue. Science, mathematics, reading, and writing components are woven in the context of agriculture and students will use the introductory skills and knowledge developed in this course. Students will experience hands-on activities, projects, and problems. Student experiences will involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics. While surveying the opportunities available in agriculture and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. For example, students will work in groups to determine the efficiency and environmental impacts of fuel sources in a practical learning exercise.

#2 AGRICULTURE SCIENCE: ½ Credit, Elective for grades 10-12

Prerequisite: Must have completed Intro to Agriculture or Intro to CTE

Agriculture is both an art and a science. As an art, it is one of the skills required in the production of food, fiber, and other production useful to society. As a science, it consists of a working knowledge of the different laws of nature, their cause and effect. The student enrolled in Agriculture Science I will be further introduced to the areas of agriculture and society, agriculture and the environment, production agriculture, agribusiness, crop production, equine science, livestock production, meat and animal science. Other areas of study will include agricultural leadership, occupational opportunities, FFA and its activities.

#3: NATURAL RESOURCES AND ECOLOGY ½ Credit, Elective for grades 10-12

This course provides students a variety of experiences that in the fields of natural resources and ecology. Students will explore hands-on projects and activities while studying topics such as land use, water quality, stewardship, and environmental agencies. Study of the natural world including biomes, land, air, water, energy, use and care as well as a focus on issues surrounding man's interaction with the Earth will be addressed in this course. Students will select an ecosystem to study throughout the course and apply principles of natural resources and ecology from each unit of study to that ecosystem.

#4 FLORICULTURE ½ Credit, Elective for grades 10-12 (Offered in school years beginning with odd numbers)

Prerequisite: None

Students enrolled in the Floriculture class will learn identification of cut flowers. Students will study floral and foliage arrangements, problem solving and skills that include flower arranging, floral design, and unique uses for cut flowers. A Class fee will allow students to take home the floral arrangements they create in class.

**#5 HORTICULTURAL LANDSCAPE MANAGEMENT: 1/2 credit, Elective Grades 10-12
(Offered in school years beginning with even numbers)**

The Ornamental Horticulture course will help the student obtain practical knowledge of Horticulture to enhance current interest in beautifying and landscaping yards, public areas, and industrial sights. The course will include instruction in choosing suitable plants for different occasions and locations. Laboratory procedures will concentrate on soil preparation, bedding plants, ornamental arrangements, plant and tree identification, pruning, pest control and proper equipment maintenance.

#7 COMPANION ANIMALS (quarter) ½ Credit, Elective for grades 10-12

Prerequisite: None

This course is for those interested in companion animals; dogs, cats, fish, etc. We will look at different breeds, care and management, disease and health, and more. The class will also be responsible for the care and maintenance of the class animals. Veterinary medicine for companion animals will also be discussed and contact with local professionals will be made.

#8 COLLEGE ANIMAL SCIENCE (quarter) ½ Credit, Elective for grades 10-12

This course is **4 college credits** and fulfills U of M Requirements for degree credit requirements, such as departmental major requirements or elective requirements. ANSC 1101 is Sponsored by the U of M Academic Department: Department of Animal Science (College of Food, Agricultural and Natural Resource Sciences): CIS Animal Science is taught concurrently through the University of Minnesota TC Campus as an Introduction to animal science and fulfills the science requirement for most Minnesota Colleges and Universities The class emphasizes on fundamental concepts of physiology, nutrition, animal breeding and management as they apply to production systems of livestock, poultry, and companion animals. College Animal Science is taught in the classroom, online, and through site visits where required labs occur off school grounds

Prerequisites 1. students must be in the top 50% of their class
2. must have passed biology with a B- or better

#13 BASIC PRINCIPLES OF ELECTRICITY: 1/2 credit Grades 10-12

In this course students will study the basic principles of electricity, Electronics, magnetism, direct and alternating current. Students will learn basic wiring design and how to wire for their own needs. Students will be given instruction in the use of electronic controls and sensing devices. This course will also give an introduction to field of electronic which encompasses almost everything we come in contact with throughout our daily lives. This course will give the student theory and hands-on experience including circuits, meters, various electronic components, plus an opportunity to actually build a combination of circuits.

#9 SMALL ENGINES: 1/2 credit, Grades 10-12

In this course students will learn the principles of the two and four cycle combustion engine and lawn and garden automated tools. Students will be given the opportunity to recondition, repair, and overhaul small engines and lawn and garden tools. Each major engine component will be studied with special emphasis on the proper maintenance and servicing of these components. Troubleshooting, tune-up and major engine overhaul or repair will be emphasized during the second half of the semester. Practical laboratory work will make-up about one half of the course time.

#10 ON THE JOB TRAINING - WORK BASED LEARNING (OJT) (quarter 1, 1st or 4th block) ½ credit

11 ON THE JOB TRAINING - WORK BASED LEARNING(OJT) (quarter 4, 1st or 4th block) ½ credit

Prerequisite: None – Career Tech Education Course Preferred

Credit: 1/2 credit per quarter

Grade 12

This on-the-job program allows students to learn in the workplace and get an idea if they have an interest in a certain career. Work sites may vary from sales, service, banking retail, construction, farming, and home business opportunities. Records, training agreements and training plans are required of all students. Weekly assignments and timesheets are required. All students enrolled must currently be employed. A student must work a minimum of 7.0 -hours Monday through Friday (weekend hours do not count). Numbers may be limited. This course is a pass/fail course, those who fail will be removed the program for the remainder of the year.

#12 ADVANCED MECHANICS 1/2 credit, elective grade 12 (11th with permission) (quarter, 1 and 2)
Prerequisite: Small Gas Engines

*This course will be offered starting the 2017-18 school year.

DESCRIPTION: This course is designed for students that want to work in the autobody, ag mechanic, or automotive service industry. Laboratory experiences include projects in maintenance and repair of power equipment, engine service, engine controls, drivetrain configuration, brakes, fuel systems, cooling system, and welding and auto body repair procedures. Students must be prepared to provide engines, automobiles, and equipment for laboratory exercises.

BUSINESS EDUCATION

The Business Education Department provides courses for the exploration and development of occupational skills needed for initial employment and advancement in business careers and for the development of economic understanding needed for intelligent participation in a free enterprise system.

#16 KEYBOARDING / COMPUTER LITERACY: 1/2 credit, elective grades 9-12

Required course if not successfully completed in Junior High.

prerequisites: none

Students can be prepared for the workplace by having the skills needed to use computers competently. One of those necessary skills is, of course, keyboarding. This course is designed for students who need to learn the alphanumeric keys or who have the desire to improve their keyboarding skills. Drills for accuracy and speed will be stressed the first part of the course. Students will learn to format personal business letters, short reports, memos, tables, and lists using a word processing application. Spreadsheet and graphing applications and its features and functions will also be introduced. Presentation software is frequently used in schools and businesses. Students will create and present a slide show style presentation. These are software applications commonly used in home, office and post-secondary settings.

#17 MICROSOFT OFFICE: 1/2 credit, Elective 9-12,
(*College Credit may be earned for this course. See "ACC)

Developmental/Prerequisite: none

Some of us learn by reading, some by watching, some by doing. How about a way to take advantage of all three styles of learning? This is an introductory course designed to improve a student's knowledge of the Microsoft Office software. Students will create and format documents using Microsoft Word. Students will learn to use formats, formulas and functions to create a worksheet using Microsoft Excel. Microsoft PowerPoint will be used to create and deliver presentations. This course offers the learner

opportunities to follow step-by-step textbook activities, watch and listen to teacher directions and complete independent projects and assignments.

#18 INTRODUCTION TO THE BUSINESS WORLD: 1/2 credit, Elective Grades 9-11
(*College Credit may be earned for this course. See “ACC”)

This course relates to a student’s personal, business, and economic interests. This course will serve as a background for other business courses the student may take in high school and will better prepare students to make decisions as consumers, wage earners, and citizens.

#19 INTRO TO MARKETING ESSENTIALS: 1/2 credit, Elective Grades 10-12,
(*College Credit may be earned for this course. See “ACC”)

Students interested in pursuing a career in business, especially small business ownership, sales, advertising, hospitality, and marketing careers need to gain a solid background in what influences consumers to purchase products or services. The consumer buying process is a complex matter. How do marketers attempt to sway the consumer decision-making process? What strategies do they employ? Introduction to Marketing Essentials introduces the students to the four main points of marketing: Product, Price, Place and Promotion. Students will learn more about effective techniques and strategies to entice customers to make purchases.

#20 SMALL BUSINESS PRACTICES: 1/2 credit, Elective Grades 11-12

Prerequisite: Minimum of one prior business education class

This course offers instruction in small business practices. Small business management helps students understand various management theories, basic management functions and their interrelationships, and the organization of business. Students will simulate a variety of businesses that might be found in a small town environment.

#21 PERSONAL FINANCE: 1/2 credit, Elective 11-12,
(*College Credit may be earned for this course. See “ACC”)

It’s Your Paycheck! Budget it wisely! Investing, insurance, and retirement might not be on your radar right now. For you, the future may just be a weekend away. Don’t let that stop you from taking steps to being financially secure. This course stresses the importance of budgeting and long-term personal money management as it relates to living independently. Topics of the course include budgeting, banking, credit, risk management, investing, and taxes.

#22 BUSINESS LAW : 1/2 credit, Elective Grades 11-12
(*College Credit may be earned for this course. See “ACC”)

Knowledge of business law is useful for students because all students eventually assume roles as citizens, workers, and consumers in their communities and in society at large. Business owners and managers enter into contracts on a daily basis and need basic knowledge of business law to protect themselves and their business. This course addresses topics and issues affecting businesses, families, and individuals. A field trip to the Stearns County Law Enforcement Center and Stearns County District Court is a highlight of this course.

#23 ACCOUNTING I: 1/2 credit, Elective Grades 10-12
(*College Credit may be earned for this course. See "ACC")

This course is designed to provide an opportunity to learn the fundamentals of accounting. Accounting is an essential aspect of every business institution and organization. As future workers, small business owners, and entrepreneurs, students who understand basic accounting principles will more knowledgeably manage their companies' financial resources. Accounting principles of a service organization will be studied. The accounting equation, journals, ledgers, and financial statements are topics covered in Accounting I.

#24 ACCOUNTING II: 1/2 credit, Elective Grades 10-12,
(*College Credit may be earned for this course. See "ACC")

Developmental/Prerequisite: Accounting I

This course advances the accounting process to include procedures for a merchandise partnership business. It is also designed as an introduction of computerized systems and has made the mastery of technology skills an integral part of the accounting curriculum. Students will complete a practice set as reinforcement of textbook learning.

25 ENTREPRENEURSHIP: 1/2 credit, Elective Grade 11-12

Developmental/Prerequisite: ANY ONE of the following: Accounting I, Marketing, Computer Applications

Entrepreneurship focuses on recognizing a business opportunity, starting a business based on the recognized opportunity, and operating and maintaining that business. All students should develop an appreciation for, and understanding of, entrepreneurship in our economy, especially since most of the jobs created in the early 1990's were in the small business sector. This has been true for not only professional types of positions, but technical ones as well. Forecasters have indicated that this trend will continue. This means that more and more people should develop the thinking pattern of an entrepreneur since many will start their own business or work closely with an entrepreneur. Being able to recognize new business opportunities is not only necessary for the entrepreneur, but for the individual working in the corporate world which is increasingly competitive.

26 COMPUTER APPLICATIONS: WEB PAGE DESIGN: 1/2 credit, Elective Grade 11-12

Prerequisite: none

This course offers continuous instruction in current and emerging information technology. HTML and dreamweaver technology will be taught. Web page design skills will be taught in which students will create and maintain web sites. Students will create web sites about family, business, or interests. Students will also be taught how to use and create Powerpoint presentations.

FAMILY AND CONSUMER SCIENCES

#176 INTRO TO FAMILY AND CONSUMER SCIENCE: 1/2 credit, Meets FACS or Tech Ed requirement

Family and Consumer Sciences 9 will consist of four and one-half weeks of foods (recipe reading, nutrition and various food preparations). There are also four and one-half weeks of sewing skills. This involves constructing a product by reading pattern directions, making minor alterations and safe use of

sewing equipment including sergers. (Note: Students will be required to purchase supplies for their projects) Students will also explore colleges and organizations associated with family and consumer sciences.

#184 COLLEGE LIFESPAN DEVELOPMENT: 1 high school credit, Elective for grades 11-12

This course is a 3 credit college course through the University of Minnesota - Crookston. This class combines the courses of (see descriptions for:) "Child Development" and "Family Living" with more rigor for the college credit and is a semester course. Students must have at least a 3.0GPA to register for this course. Students who have taken Family Living or Child Development as a separate class, will not be able to take Lifespan Development.

#177 FOOD SCIENCE AND NUTRITION: 1/2 credit, Elective grades 10-12

This course is a nutrition study of the relationship of nutrition to good health. The following topics will be taught: calorie/energy needs, my plate, the six major nutrients, composition of food, food labeling, nutritional needs of children, adults and the elderly, and Servsafe. Lab activities will be incorporated to reinforce the above topics. This can qualify for the one credit Servsafe course at SCTCC if the student passes the servsafe exam. This certificate will also allow the student to work in a management level at a facility handling food.

#178 CHILD DEVELOPMENT: 1/2 credit, Elective for grades 11-12

(*College Credit may be earned for this course. See "ACC")

Human reproduction, pregnancy and birth are covered in child development, along with special situations such as multiple births, physical and mental disabilities and birth defects. Students will study different theories of discipline, raising children, along with ways to help the child develop physically, socially and emotionally. Observing and working with children (newborns through fifth grade) will take place in this class. The students also will take care of an infant in a 24 hour period. (An alternate paper is possible for this assignment.) It also, when paired with Family Living, can qualify for the three credit course called Foundations of Development CACE 1420 at SCTC. (NOTE: Students will do individual offsite visits and need to provide their own transportation.) *NOTE do not take this class if you plan to take Lifespan Development.

#179 FAMILY LIVING: 1/2 credit, Elective for grades 10-12, (Offered in school years beginning with odd numbers)

(*College Credit may be earned for this course. See "ACC")

Family living stresses communication and dealing with feelings around family and friends. Topics of concern include dating, parent/teen conflicts, types of marriage, preparation for marriage, conflicts and adjustments in marriage, crisis situations and family support systems. Students will do individual research projects of their choice in such areas as death, divorce, remaining single, marriage, ethnic groups, family violence and nonviolent alternatives used in resolving differences. When paired with Child Development, this class can qualify for the three credit course called Foundations of Development CACE 1420 at SCTC. *NOTE: Do not take this class if you are going to take Lifespan Development.

#180 CONSUMER SEWING: 1/2 credit, Elective for grades 10-12, (Offered in school years which begin in even numbers.)

This course includes trends in fashion, fashion careers, and fashion cycles. It will also look at trends in the pattern and fashion industry. Students study clothing budgets, wardrobe planning and buying using the principles and elements of design. Textile study includes knit and weave identification and dyeing and printing. Also included are pattern design and alterations, speed sewing, factory methods, special fabrics and tailoring techniques. One garment will be constructed using the skills learned. The students learn

skills like knitting, crocheting, embroidery and quilting. **Note:** *Students will be required to purchase material, notions and a pattern for their projects.*

#181 INDEPENDENT LIVING: 1/2 credit, Elective for 10-12, (Offered in school years beginning in even numbers.)

(*College Credit may be earned for this course. Please see ACC)

This course stresses the consumer's role in managing income and buying and spending wisely through the use of consumer magazines, advertising etc. Lab experiences include testing and comparing a variety of food products. Other studies include apartment hunting, paying bills, consumer rip-offs, use of credit, credit laws, guidelines for buying house wares, furniture and other major purchases. Students will be able to effectively handle consumer complaints in a variety of ways. Students also explore future interests and abilities. This class qualifies for a three credit course, Personal Money Management at SCTCC.

#182 CULINARY ARTS AND BASIC BAKING: 1/2 credit, Elective for grades 10-12, (Offered in school years beginning in odd numbers.)

Food preparation and studies include egg and cheese, meats, fish and poultry, entertaining, foreign foods, pastries, pressure cooking, breads, soups, cakes, cookies, pies and candies. Studies include nutrition through the life cycle, consumerism, meal service, and etiquette. Two major projects, the graduation meal and a meal for two, involve planning, preparing, and figuring costs and calories of meal.

#183 HOUSING: 1/2 credit, Elective for grades 10-12, (Offered in school years which begin in even numbers.)

Housing includes a look at many different types of homes. Other units of study include architecture, reading a blueprint, construction of a home, evaluating floor plans, and drawing kitchen elevations. Interior design studies include color schemes, traffic patterns, storage, safety, versatility, and principles and elements of design. Furniture studies include construction, upholstery, cost quality, and style identification. This course includes projects in budget furnishings for an apartment, furnishing and decorating a home, and remodeling. We take walking tours through town to observe architectural features in homes and businesses.

TECHNICAL EDUCATION

Lab Safety: Students taking hands-on classes in Career & Technology Education are hereby informed that they will be required to follow the lab rules set up by the instructor. This includes, but is not limited to, the following: students will wear safety glasses for eye protection at all times while working in the lab area or while working with chemicals, students will follow the rules for machine-tool operation as specified by the instructor, students will pass the machine-tool and lab safety test before being allowed to operate machine-tools in the lab or before working in the lab areas. The students who do not follow the rules established for working in lab areas will be excluded from the privilege of working in the lab areas until they indicate a willingness to follow the rules. The safety of all students working in the lab absolutely requires all students to follow safety rules.

#201 INTRO TO TECHNOLOGY GRADE 9: ½ credit, Elective for grade 9

(Meets 9th grade requirements for Tech/FCS)

The purpose of Intro to Technology is to expose the students to the processes required to produce a product. In this course students' creative abilities will be engaged in the production of an individual product. Students will gain basic woodworking skills. The production process will give the students exposure to selected power tools and hand tools available in our modern woodworking laboratory.

#202 INTRO TO WOODWORKING: ½ credit, Elective for grade 10-12

In this course students will gain intermediate woodworking skills which will be integrated in the production of an individual product. Students will also gain a basic understanding of the materials used in today's market for building with wood. Students will be able to identify various woods and finishing products. The production process will give the students exposure to selected power tools and hand tools available in our modern woodworking laboratory.

#207 APPLIED MANUFACTURING PRINCIPLES: 1/2 credit, elective for grades 10-12

Prerequisites: none

The purpose of Applied Manufacturing Principles is to expose students to manufacturing principles, organization, and marketing practices. The students will collaboratively decide on products to produce and market, create methods used in the manufacture of chosen products, understand steps involved in acquiring an effective marketing vehicle, manufacture a product by mass production techniques, and put marketing skills to use and sell products.

#209 ADVANCED WOODWORKING A: ½ credit, Elective for grade 11-12

#210 ADVANCED WOODWORKING B: ½ credit, Elective for grade 11-12

*Students must register for two quarters of this course

Prerequisite: Must have passed Intro to Woodworking with a C- or better.

In this course students will gain advanced woodworking skills which will be integrated in the production of an individual product. This is an advanced course in production related to the woodworking industry. Emphasis is placed on safety, product design, production planning, wood and material identification, hand and machine tool procedures, and finishing techniques.

#211 CONSTRUCTION A: ½ credit, Elective for grade 11-12

#212 CONSTRUCTION B: ½ credit, Elective for grade 11-12

*Students must register for two quarters of this course

Prerequisite: Must have passed Introduction to Woodworking with a C- or better

The Construction Technology class is designed for students who want to learn the basic skills necessary for the building trade. This course offers training and practical experience in safety, planning, basic carpentry, rough carpentry, finish carpentry, electrical, plumbing, insulation, and other techniques. The main project will be a constructed building. This is an excellent course for students interested in carpentry or any of the many related jobs, and also for any future homeowner.

#213 INTRO TO METALWORKING TECHNOLOGY: 1/2 credit, Elective Grades 9-12

In this course students will gain exposure to textbook studies reinforced with hands-on activities in sheet-metal work, threading, sand casting, use of hand tools, machines, basic welding techniques and project layout. We will also tour a business to see the many different careers that are associated with the metalworking industry.

#214 INTRO TO MACHINING/FLUID POWER: ½ credit, elective grades 10-12

If you drive to work or school, if the building you're in is climate controlled, if you're reading this course description, fluid power and machining has touched your life. This course introduces basic concepts, terminology, applications, and automation processes used throughout the fluid power and machining industry. Students in this course can expect to learn basic operating procedures on lathes and milling equipment. Fluid power will be taught through hands-on labs in designing and implementing fluid power circuits that can be found virtually all aspects of life.

#215 WELDING I 1/2 credit, Elective 10-12. *This course is Articulated College Credit (ACC) through SCTCC WELD1502 - Welding for Work and Leisure

Prerequisite: Must have passed Metals with a C- or better

This course covers basic welding procedures using arc welding and oxy-fuel equipment. One of the major topics of discussion will be safe use of this equipment. Time will be spent in the lab completing welds in various positions with different processes and electrodes. The processes to be covered in this class will be stick welding (SMAW), wire feed (GMAW), oxy-acetylene welding, cutting and brazing along with an introduction to other equipment used in welding shops.

#216 WELDING II 1/2 credit, Elective for 11-12 (*This course is Articulated College Credit (ACC) through SCTCC TECH1552 - Basic Metal Joining, WELD1515 Thermal Welding and Cutting Process, and WELD ARC Welding Process I

Prerequisite: Must have passed Welding I with a C- or better

This course focuses on the technology and skills used in the welding and fabrication industry. Students will concentrate on the following welding technologies; shielded metal arc, metal inert gas (MIG), oxy-fuel (gas), plasma arc cutting, and oxyacetylene cutting. An emphasis is placed on safe tool and equipment operations.

#217 MACHINE TOOL TECHNOLOGY: ½ credit, Elective for grades 11-12

Prerequisite: Must have passed Introduction to machining/fluid power with a C- or better

This course focuses on the technology of the machine tool industry. Students will study machine lathe operations, milling operations, power sawing, drill press operations and grinding and abrasive operations. The class will tour a high tech precision manufacturing facility in the area for a better understanding of what is being used in industry. Students that are thinking about studying to be a machinist, a mechanical designer or engineer will benefit from this course.

#203 AUTO AND HOME CARE: 1/2 credit, Elective for grades 10-12

Auto and Home Care is a class for anyone who owns, or plans on owning a car and/or home. In this class you will learn how a car works and the maintenance it needs to keep it your vehicle in running. Automobile areas covered include: change engine oil, cooling system maintenance, battery care, tire care, rear axle disassembly, drum and disk brake maintenance, and car interior and exterior maintenance. Home maintenance areas covered include: how to install ceramic/porcelain tile, roof and siding repair, mounting door hinges, finishing concrete, brick paving, simple home wiring, home plumbing repairs, hanging and finishing drywall, and trim work.

#218 INDEPENDENT STUDY RESEARCH AND DEVELOPMENT: ½ credit, Elective grade 12

Prerequisite: Successful completion of an upper level Technology Education Course. Must meet application requirements.

The primary aim of an independent study is to enable a student to investigate a subject more thoroughly than the regular course may permit. It should not be a substitute for a course that is already offered. The contract application will be reviewed by the instructor and counselor and at that time they will either

accept or reject the application for the desired course of study. SPECIAL REQUIREMENTS: Limited to six students. Must contract with the instructor and counselor.

PROJECT LEAD THE WAY COURSES (PLTW)

#219 IED- INTRODUCTION TO ENGINEERING AND DESIGN A: ½ credit, Elective for grade 9

**#220 IED- INTRODUCTION TO ENGINEERING AND DESIGN B: ½ credit, Elective for grade 9
(*College credit may be earned for this course)**

*Students must register for two quarters of this course

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.

#221 POE- Principles of Engineering A: ½ credit, Elective for grade 10

**#222 POE- Principles of Engineering B: ½ credit, Elective for grade 10
(*College credit may be earned for this course)**

*Students must register for two quarters of this course

Prerequisite: Must have passed Introduction to Engineering Design with a C- or better

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

#225 Architectural Drafting A: ½ credit, Elective for grades 10-12

#226 Architectural Drafting B: ½ credit, Elective for grades 10-12

Students who take this course will learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using Autodesk Rivet architectural design software. This course is suggested for any student who plans on, or is considering, a future career in the areas of Structural Engineering, Civil Engineering, Architectural Engineering and Design, Construction Management, and/or any of the Construction trades.

#225 (Coming in 2017-2018) CEA- Civil Engineering and Architecture A: ½ credit, Elective for grades 10-12)

#226 (Coming in 2017-2018) CEA- Civil Engineering and Architecture B: ½ credit, Elective for grades 10-12)

(*College credit may be earned for this course)

*Students must register for two quarters of this course

Prerequisite: Must have passed Introduction to Engineering Design with a C- or better

Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software.

LANGUAGE ARTS

#31 ENGLISH 9A: 1/2 credit, Required Grade 9

#32 ENGLISH 9B: 1/2 credit, Required Grade 9

English 9 curriculum uses selections by William Shakespeare, John Steinbeck, Sandra Cisneros, Jacqueline Woodson, and Laurie Halse Anderson to develop students' close reading and literary analysis skills. Student writing objectives focus on sentence structure, grammar, and paragraph and essay development.

#33 ENGLISH 10A: 1/2 credit, Required Grade 10

#34 ENGLISH 10B: 1/2 credit, Required Grade 10

Developmental/Prerequisite: English 9A and 9B.

English 10 curriculum is based upon the critical reading of nonfiction and fiction texts. In addition to reading current nonfiction of varying lengths, contemporary poetry, and *Frankenstein* by Mary Shelley, students read selections intended to introduce them to the primary influences in Western Literature including *The Bible*, Greek and Roman mythology, and *Julius Caesar* by William Shakespeare.

Important note for 11th grade students:

Students who did not score as "Meets Standards" on their most recent MCA-III reading test or score the correlating "Meets Standards" benchmark on their most recent STAR Reading test must take English 11A and English 11B.

Students whose MCA-III reading score or STAR Reading equivalent score meets standards will choose one R elective (courses 41, 42, 43, 44, or 45) and one W elective (course 35 or 46).

#37 ENGLISH COMMUNICATIONS 11A: 1/2 credit

#38 ENGLISH COMMUNICATIONS 11B: 1/2 credit

Developmental/Prerequisite: Successful completion of English 10. English 11A must be completed prior to English 11B.

English 11 (A and B): English 11 focuses on developing reading and writing skills necessary to succeed in the workplace and in life. English 11A focuses on basic writing skills and correct English usage as well as research projects, informational and persuasive writing, and personal narration. English 11B is a literature course. Students will continue to develop reading skills with fiction and non-fiction texts (essays, a novel, short stories, poetry, and drama) as well as collaborative, critical thinking, communication, and listening skills.

#35 INTRODUCTION TO COMPOSITION (W): 1/2 credit, Elective for grades 11-12

Developmental/Prerequisite: Successful Completion of English 10

Introduction to Composition is a writing class that prepares students to be proficient at diverse communication tasks. In addition to the study of grammar, sentence structure, style, paragraphs, and essay form, instruction focuses on the importance of understanding audience and purpose in both traditional and digital writing.

#36 ADVANCED COMPOSITION (W): 1/2 credit, Elective for grades 11-12

Developmental/Prerequisite: Successful Completion of Introduction to Composition

Advanced Composition will take the writing student beyond the basics into more complex application of the skills learned in Introduction to Composition. This course will answer the question “Why?” Concentration will be centered on the following types of writing: Cause and Effect, Classification, Comparison and Contrast, Analogies, and Argumentation. Research-centered academic writing will complete the course.

#41 AMERICAN LITERATURE I: Beginnings to 1865 (R): 1/2 credit, Elective for grades 11-12

Developmental/Prerequisite: Successful completion of English 10

American Literature I is a survey course of writing from the Colonial Period through the Civil War Era. Students examine the relationship between the development of a nation and the development of its culture. Class texts range from the historical accounts of colonists to the passionate and articulate arguments of America’s founding leaders to the sophisticated poetry and fiction of the American Renaissance.

#42 AMERICAN LITERATURE II: 1865 to the Present (R): 1/2 credit, Elective for grades 11-12.

Developmental/Prerequisite: Successful completion of English 10

American Literature II is a survey course of American poetry, fiction, and drama written since the end of the Civil War. Major authors include Dickinson, Frost, Hughes, Cather, Hemingway, Faulkner, Fitzgerald, Williams, and Hansberry. In addition to whole-class readings, students chose one text to study independently.

#43 BRITISH LITERATURE (R): 1/2 credit, Elective for grades 11-12

(*Offered in School years beginning with an odd number)

Developmental/Prerequisite: Successful completion of English 10

British Literature is a survey of English Literature from the Anglo-Saxon Period to Contemporary Britain. Student preference is considered for the text selections in the course which will begin with Beowulf and end with Zadie Smith. The most frequently studied authors in this course at AHS are Chaucer, Marlowe, Donne, Herrick, Pepys, Swift, Blake, Burns, Wollstonecraft, Keats, Barrett Browning, Wilde, Yeats, Thomas, and Heaney.

#44 CONTEMPORARY GLOBAL LITERATURE (R): 1/2 credit, Elective for grades 11-12

Developmental/Prerequisite: Successful completion of English 10

The critical study of socially and culturally diverse literature to expand students’ understanding of themselves and others in relation to the world. Includes minority, indigenous and other literature that highlights local or national culture, communities and regions. In addition to class novels, students will choose books from a pre-selected set and form groups to discuss and analyze reading.

#45 INTRODUCTION TO SHAKESPEARE (R): 1/2 credit, Elective for grades 11-12

(*Offered in school years beginning with an even number)

Developmental/Prerequisite: Successful completion of English 10

In Introduction to Shakespeare, students study six plays with their classmates and choose one play to read and study independently. Student preference is considered for the whole-class plays; the most frequently studied plays at AHS include *As You Like It*, *A Midsummer Night’s Dream*, *The Tempest*, *King Lear*, *Hamlet*, and *Antony and Cleopatra*.

#46 CREATIVE WRITING (W): 1/2 credit, Elective for grades 11-12

Developmental/Prerequisite: Successful completion of English 10

Creative Writing is an elective course for proficient writers seeking to improve the overall quality of their writing by reading and writing works of poetry, prose, and drama. Daily writing assignments and active participation are critical components of this course.

Important note for 12th grade students:

Students whose most recent MCA-III reading score or the correlating STAR Reading score meets standards may not register for English 12A or English 12B.

#39 ENGLISH COMMUNICATIONS 12A: 1/2 credit, Elective for grade 12

#40 ENGLISH COMMUNICATIONS 12B: 1/2 credit, Elective for grade 12

Developmental/Prerequisite: English 12A must be completed before English 12B

English Communications 12 is both a literature course and one which will provide the knowledge and skills necessary to succeed in the workplace of today and tomorrow. Through the study of American literature, students will better understand our country's literature. Special focus is placed on technical writing, team problem solving, the client-customer relationship, the supervisor- worker relationship, leadership skills, presentation skills, and performance evaluation. The class will operate using a "hands on" approach giving students the opportunity to directly apply the English skills in real-life situations.

#53 COLLEGE ENGLISH (English 1101, English 1205, English 2235)

Developmental/Prerequisite: Successful completion of Introduction to Composition and one literature elective (courses 41, 42, 43, 44, or 45).

This suite of courses is offered through M-State Fergus Falls. Nine college credits are awarded upon successful completion. Consult the counselor for details. PLACEMENT TEST REQUIRED

English 1101: College Writing. College Writing is an introductory writing course designed to prepare students for later college and career writing. The course focuses on developing fluency through a process approach, with particular emphasis on revision. Students will consider purpose and audience, read and discuss writing and further develop their own writing processes through successive revisions to produce polished drafts. Course work will include an introduction to argumentative writing, writing from academic sources and a short research project.

English 1205: Writing about Literature. This course builds on the foundations of College Writing and provides students with additional opportunities to develop fluency in their writing through a process approach. Students will read critically from a variety of literary genres, explore meaning through academic research and respond through discussion and writing.

English 2235: Intro. to Literature: Drama. This literature course will introduce students to the growing interdependence of the people of the world through a close study of drama. Studying drama written by various writers around the world will allow students to develop an understanding of and an appreciation for the human condition and culture. The course will also cover the basic elements and concepts of drama.

#47 SPEECH AND MEDIA LITERACY: 1/2 credit, Required for grades 11-12, DOES NOT QUALIFY AS AN ENGLISH CREDIT.

Developmental/Prerequisite: Successful completion of English 10

Speech and Media Literacy: Students will learn the basic elements of public speaking. This will include: research, outlines, delivery components, how to identify speech anxiety and ways to overcome anxiety. Also, students will evaluate their speaking skills by viewing their own speeches and critiquing others. A portion of the course will focus on being responsible consumers of media, and analyzing for bias and perspective. The types of speeches that will be delivered are: introductory, informative, demonstrative, persuasive, multimedia, and impromptu.

#48 SPEECH AND MEDIA LITERACY: 1/2 credit, Required for grades 11-12, DOES NOT QUALIFY AS AN ENGLISH CREDIT. (Hybrid course)

Developmental/Prerequisite: Successful completion of English 10

Hybrid Speech and Media Literacy: This course is the same curriculum as the above Speech and Media Literacy, but offered in a different format. Students will have a combination of traditional classes and online classes. Students registering for this course should understand the responsibility to keep up with online segments of class lies with them. Students who fall behind in the online coursework will be required to attend all classes at the discretion of the classroom teacher.

FINE ARTS

The following courses are recommended for students who love to be creative. The Fine Arts Department provides courses for the exploration and development of creative skills needed to pursue future personal, recreational, educational, and professional applications of Instrumental Music, Choral Music, Visual Arts, Theatre, and Graphic Arts. Students and teachers explore diverse content to advance an understanding of the arts and how it connects to their lives through examination, practice, expression, public performance, and evaluation.

GRAPHIC ARTS (Do not meet Fine Arts credit requirement)

#55 YEARBOOK PRODUCTION/PUBLIC RELATIONS MEDIA A: 1/2 credit, Elective offered first semester only. Enrollment Limited.

#56 YEARBOOK PRODUCTION/PUBLIC RELATIONS MEDIA B: 1/2 credit, Elective offered first semester only. Enrollment Limited.

Admitted by Teacher Recommendation Only - **Must have teacher initial Preregistration form.**

The Yearbook production course is designed to introduce students to the techniques of yearbook layout, composition, photography, marketing, and sales. This class will make use of the computer technology available in the field of desktop publishing and apply it to the actual production of the AHS Yearbook and the PAW Press.

#57 PUBLIC RELATIONS MEDIA A: 1/2 credit, Elective for grades 11-12. Offered 2nd Semester only.

#58 PUBLIC RELATIONS MEDIA B: 1/2 credit, Elective for grades 11-12. Offered 2nd Semester only.

Students will be taught technical writing, design, graphics production information, processing and dispensing information. Students will produce a monthly newspaper, will issue press releases, create game programs for contests, design posters, dispense information to news gathering sources.

#59 INDEPENDENT STUDY IN MEDIA 1/2 credit, Elective for grades 12. Prerequisite, 1 semester of media and instructors permission.

In the Independent Study of Mass Media course, students will use new technology to create a video yearbook along with smaller projects using digital cameras, video cameras, and computer imaging. Students will construct a story board for each project, will identify materials needed and will access necessary technology to complete the project. The culmination project is a video yearbook of the current school year.

VISUAL ARTS: (Qualify for Fine Arts Requirements)

Note: Some classes in this department are offered on an alternate year basis.

#81 ADVENTURES IN ART: 1/2 credit, Elective for grades 9-12

This course is an exploration of Western Architecture, Painting, and Sculpture through Art criticism, creation and study. Students will visually walk through the secret passageways of the Great Pyramids, and the striving for perfection and ideal beauty in Greek art. They will see the Roman society grow to be one of the strongest, richest and deadliest cultures to exist. Students will learn how Christianity was once a secret hidden society and later grew to be the most dominant religion in the world. They will study the dynamics of how villages compete to see who could build the biggest cathedral, and explore the Renaissance where man found self worth by creating divinely inspired works of Art. A walk through the 19th and 20th century art will reveal how art took on many different styles and individual tastes.

#82 DRAWING: 1/2 credit, Elective for grades 9-12 Lab Fee: \$10

Developmental/Prerequisite: Adventures in Art

Drawing students will learn techniques such as contour, gesture, and perspective using a variety of media with emphasis on skill development, design and creativity as a means of enhancing self-expression. Students preparing for careers in art, design, engineering, drafting, architecture or who just appreciate and enjoy drawing will benefit from this course.

#83 PAINTING: 1/2 credit, Elective for grades 9-12 Lab Fee: \$10

Developmental/Prerequisite: Adventures in Art

This course is an introduction to painting as a means of communicating three dimensional subject matter a flat surface by the use of watercolor, acrylic and oil paint. Class time will be spent on learning various painting methods for both realistic and emotional representation. Painting will assist students interested in entering the following careers: commercial art, advertising, home and commercial decorating, photography, art education, technical illustrator, artist, or to increase your joy and appreciation of painting.

#84 PHOTOGRAPHY: 1/2 credit, Elective for grade 12 Limited to max. of 20 per class. Lab Fee: \$10

This course is a basic photography course designed to introduce the student to the world of photography behind the DSL camera. Each student will learn how to use digital photography in ways that demonstrate the artistry of the photographer. Students will use school digital cameras as well as their own digital cameras for various projects and demonstrate basic and more advanced features of photography. Many projects are done in conjunction with advertising the yearbook, newspaper, and the fine arts catalog.

#85 POTTERY: 1/2 Credit, Elective for grades 9-12, (Offered in school years beginning in even number). Lab Fee: \$10

Developmental/Prerequisite: Adventures in Art

Students will use clay to create various types of functional work. Students will use several hand built methods as well as a potter's wheel to create pieces of pottery. Students will also become aware of different types of firing techniques and their effect on clay bodies.

#86 THREE DIMENSIONAL DESIGN: 1/2 credit, Elective for grades 9-12. (Offered in school years beginning in odd number. Alternates with Pottery.) Lab Fee: \$10

Developmental/Prerequisite: Adventures in Art

Experience the magic of creating sculpture in the round. Create representational and abstract forms using clay, stone, plaster and more! Study the work of historical and modern day sculptors. Students will explore a variety of additive and subtractive techniques with a focus on carving techniques and final patinas.

#87 MURAL PAINTING: 1/2 credit, Elective for grades 11-12. (Offered in school years beginning in even numbers.) Lab Fee: \$10

Developmental/Prerequisite: Painting

This is an advanced art class. Students will be selected by previous arts grades. Students will paint large paintings on walls and ceilings. They will learn how to enlarge painting ideas using various methods. Students will study and view several examples of Michelangelo Buonarroti's work on the Sistine Chapel and other famous artists.

#88 PRINTMAKING: 1/2 credit, Elective for grades 9-12. (Offered in school years beginning in odd numbers.) Lab Fee: \$10

Developmental/Prerequisite: Adventures in Art

Students will produce creative, original prints using a wide variety of methods to produce prints. They will explore methods for ink transfer, block design, and image representation. Students will study the impact of reproducible Art images on the modern society.

#89 ADVANCED PAINTING : 1/2 credit, Elective for grades 9-12 Lab Fee: \$10

Developmental/Prerequisite: Painting

In this course students will be exposed to different movements in modern art. Each student will briefly study a style in art, Impressionism through Fantasy art, and using oil paint will reproduce a work using the style studied.

#95 College Art/Art History: 1/2 credit, Elective for grades 11-12

Developmental/Prerequisite:

*****This course is currently being developed for the 2016-17 school year.

MUSIC (Qualify for Fine Arts Requirements)

Band and Choir are co-curricular venues providing numerous musical performance opportunities for students. **VARSITY BAND** and **VARSITY CHOIR** are semester-long courses, meet every day for 42 minutes, and are offered to 9th grade students (students are expected to register for both fall and spring semesters). **CONCERT BAND** and **CONCERT CHOIR** are quarter-long courses, meet every day for 85 minutes, and are offered to 10th-12th grade students (students must register for two quarters). Each quarter offers unique opportunities.

*Students wishing to participate in band *and* choir at the High School Level may do so. Prerequisites apply.

#102 VARSITY BAND 1B: 1/2 credit, Elective for grade 9

#104 VARSITY BAND 2B: 1/2 credit, Elective for grade 9

(Students are expected to register both fall and spring.)

Developmental/Prerequisite: Successful completion of Band 8 or director's approval

This year-long course provides students with an introductory high school band experience. New, engaging music is chosen each quarter to help students explore, reinforce, and improve their musical and technical abilities. Students perform eight public performances each year (two per each quarter) including traditional concerts, a Homecoming Show, Jam the Gym, Large-Group contest, and the Graduation Ceremony. Students registering for this course should understand the responsibility to keep up with assignments and maintain a personal routine of practice.

*Students who participate in Varsity Band and retain a "C" are also eligible for extra-curricular music ensembles such as Jazz Band, Pep Band, Competitive Marching Band, Regional and National Tours, Honor Bands, Solo/Ensemble Competitions, Rocori Drumline, Pit Orchestra. Participants in these ensembles are also recognized with Varsity Letter Points and by our community.

#105 CONCERT BAND 1A: 1/2 credit, Elective for grades 10-12

#106 CONCERT BAND 1B: 1/2 credit, Elective for grades 10-12

#107 CONCERT BAND 2A: 1/2 credit, Elective for grades 10-12

#108 CONCERT BAND 2B: 1/2 credit, Elective for grades 10-12

(Students should register for continuous quarters 2-3, 1-2 or 3-4 in that order of preference at a minimum.)

Developmental/Prerequisite: Successful completion of Varsity Band or director's approval

This course is recommended for experienced, dedicated, and growing instrumental musicians. Concert Band provides the opportunity for students to express themselves through new, engaging, and challenging music (grades 3-5) each quarter. Each Quarter includes two public performances, music for small ensembles, and a continuation of individual technical ability as preparation for personal, professional, or collegiate performing.

Public Performances

Quarter 1 – Homecoming Performance and Fall Concert

Quarter 2 – Winter Concert and Jam the Gym

Quarter 3 – Pops Concert and Large-Group Contest

Quarter 4 – Spring Concert and Graduation Performance

*Students who participate in Concert Band and retain a "C" are also eligible for extra-curricular music ensembles such as Jazz Band, Pep Band, Competitive Marching Band, Regional and National Tours, Honor Bands, Solo/Ensemble Competitions, Rocori Drumline, Pit Orchestra. Participants in these ensembles are also recognized with Varsity Letter Points and by our community.

#109 VARSITY CHOIR 1A: 1/2 credit, Elective for grade 9

#111 VARSITY CHOIR 2A: 1/2 credit, Elective for grade 9

(Students are expected to register both fall and spring.)

Developmental/Prerequisite: Successful completion of Choir 8 or director's approval

The Varsity Choir is a Freshman ensemble. The choir meets daily for a half-block for the entire school year. The Varsity Choir serves as a training ground for students who wish to further their choral education, and provides preparation for Concert Choir. The main purpose of this group is to expose students to various styles of choral music along with teaching the art of singing, sight-reading, and music theory skills necessary to read choral music. Students involved with the Varsity Choir perform four major concerts a year (1/quarter). There are festival opportunities that arise during the school year and include (but are not limited to): In October: Real Men Sing, ACDA Men's/Women's Festival, In January: Her Voice, Her Song (women only), SCSU Big Sing.

#113 CONCERT CHOIR 1A: 1/2 credit, Elective for grades 10-12

#114 CONCERT CHOIR 1B: 1/2 credit, Elective for grades 10-12

#115 CONCERT CHOIR 2A: 1/2 credit, Elective for grades 10-12

#116 CONCERT CHOIR 2B: 1/2 credit, Elective for grades 10-12

(Students must register for no less than 2 qtrs. Recommended order by qtrs 1,3,2,4.)

Developmental/Prerequisite: Successful completion of Varsity Choir or director's approval

The Concert Choir is a group of not more than 80 students in grades 10-12 who are interested in singing advanced choral literature. The Concert Choir is the top vocal performance group at Albany Area High School. Students perform four major concerts a year (1/quarter), participate in MSHSL Large Group Contest (3rd quarter), solo and ensemble competition (4th quarter), and festivals (October, January, including the Granite Ridge Conference Honor Choir). The Concert Choir students will partake in in-depth study of a variety of styles and historical aspects of choral music. Sight-singing, music theory, technical ability, stylistic interpretation, and texts in world languages are given more emphasis. Students should be able to sing a C scale (a cappella), have a minimum 4-note tonal memory, and be able to sight read in the key of C, F and G major. Students are expected to have at least a B average in their previous years in Varsity and Concert Choir. Students may not drop below a C in any given quarter, or they will be dropped from the Concert Choir roster.

(Students wishing to take both band and choir should register with course numbers provided below. A Student accepted for concert choir will register for concert band as well.)

#117 VARSITY BAND 1A : 1/4 credit per quarter, Elective for grade 9-12

#118 VARSITY CHOIR 1A: 1/4 credit per quarter, Elective for grade 9-12

#119 VARSITY BAND 1B: 1/4 credit per quarter, Elective for grade 9-12

#120 VARSITY CHOIR 1B: 1/4 credit per quarter, Elective for grade 9-12

#121 VARSITY BAND 2A: 1/4 credit per quarter, Elective for grade 9-12

#122 VARSITY CHOIR 2A: 1/4 credit per quarter, Elective for grade 9-12

#123 VARSITY BAND 2B: 1/4 credit per quarter, Elective for grade 9-12

#124 VARSITY CHOIR 2B: 1/4 credit per quarter, Elective for grade 9-12

#125 CONCERT BAND 1A: 1/4 credit per quarter, Elective for 10-12

#126 CONCERT CHOIR 1A: 1/4 credit per quarter, Elective for 10-12

#127 CONCERT BAND 1B: 1/4 credit per quarter, Elective for 10-12

#128 CONCERT CHOIR 1B: 1/4 credit per quarter, Elective for 10-12

#129 CONCERT BAND 2A: 1/4 credit per quarter, Elective for 10-12

#130 CONCERT CHOIR 2A: 1/4 credit per quarter, Elective for 10-12

- #131 CONCERT BAND 2B: 1/4 credit per quarter, Elective for 10-12**
#132 CONCERT CHOIR 2B: 1/4 credit per quarter, Elective for 10-12

WORLD LANGUAGES

- #151 SPANISH I A: 1/2 credit, Elective for grades 9-12**
#152 SPANISH I B: 1/2 credit, Elective for grades 9-12
*students must register for two quarters of this class

Spanish I is open to all students who are eager to learn Spanish. Areas covered include: reading, writing, listening, and speaking skills. Students will also be exposed to Hispanic culture.

- #153 SPANISH II A: 1/2 credit, Elective for grades 10-12**
#154 SPANISH II B: 1/2 credit, Elective for grades 10-12
*students must register for two quarters of this class

Developmental/Prerequisite: Students must receive a C- or better in Spanish I in order to ensure sufficient mastery to move onto level II.

This course builds on the basics learned in Spanish I. Students will further develop their reading, writing, listening and speaking skills. Additional items of Hispanic culture will be introduced to the students. Students having an interest in possibly participating in language programs outside of the school can receive information on such programs through the teacher.

- #155 SPANISH III A: 1/2 credit, Elective for grades 11-12**
#156 SPANISH III B: 1/2 credit, Elective for grades 11-12
*students must register for two quarters of this class

Developmental/Prerequisite: Successful completion of Spanish II

This course is geared toward the polishing and perfecting of the skills acquired in the first two levels of Spanish. This will be done through the students doing presentations, translations and other activities that will enable them to exercise their acquired skills. They will also further their knowledge of Hispanic cultures through these activities.

- #159 FRENCH I A: 1/2 credit, Elective for grades 9-12, Quarter one.**
#160 FRENCH I B: 1/2 credit, Elective for grades 9-12, Quarter two.
*students must register for two quarters of this class

This class is an introductory course in the French language and culture. Students will learn basic reading, writing, speaking and listening skills. Students will learn basic conversation patterns that are used in everyday situations, vocabulary, simple grammatical structures, and verb conjugation. Students will also learn about French Culture and traditions through stories, songs, films, and foods. Students will receive information about language and travel opportunities outside of the school.

- #161 FRENCH II A: 1/2 credit, Elective for grades 9-12, Quarter three.**
#162 FRENCH II B: 1/2 credit, Elective for grades 9-12, Quarter four.
*students must register for two quarters of this class

Developmental/Prerequisite: Students must receive a C- or better in French I to ensure sufficient mastery to move onto level II

This class builds upon the basics learned in French I. Students will develop their reading, writing and speaking skills with emphasis on speaking and writing. Additional items of French culture will be taught through stories and documentary films.

#163 FRENCH III A: 1/2 credit, Elective for grades 9-12,

#164 FRENCH III B: 1/2 credit, Elective for grades 9-12,

*students must register for two quarters of this class

Developmental/Prerequisite: French II

French III continues to build upon and perfect the basic grammar and vocabulary of French I and II. Increasing complex tenses are introduced to round out the student's skills necessary for effective communication in the language. Emphasis is placed on developing writing and reading skills through the use of French novels and short stories.

#165 FRENCH IV A: 1/2 credit, Elective for grades 9-12,

#166 FRENCH IV B: 1/2 credit, Elective for grades 9-12,

Developmental/Prerequisite: French III. Note: If offered on ITV this will be a 50 minute class.

This course is designed to perfect the use of the grammatical structures already learned through reading, writing and speaking. Students will also study French literature and culture through news articles, short stories and novels designed to enhance and broaden their knowledge of the French-speaking world.

MATHEMATICS

RECOMMENDED MATH SEQUENCE					
<u>7TH</u>	<u>8TH</u>	<u>9TH</u>	<u>10TH</u>	<u>11TH</u>	<u>12TH</u>
*Math 7	Intro Alg. IA	Intro Alg. IB	Infor. Geom.	Appl. Alg II/Consumer math	
Math 7	Algebra IA	Algebra IB	Geometry	Alg II (Alg III)	PreCalc or College Alg
Adv. Math 7	Enr. Alg I	Enr. Geom.	Alg II (Alg III)	PreCalc or College Alg.	Coll. Functions/Trig Coll. Calculus

#259 INTRODUCTORY ALGEBRA IB: 1 credit, Elective grade 9

Students who were previously in Introductory Algebra 1A in 8th grade should register for this course. Introductory Algebra IB will continue the basic concepts of Introductory Algebra IA to prepare for future math courses. This class is taught in a 1/2 block for a full year.

#255 ALGEBRA IB: 1 credit, Elective grade 9,

Developmental/Prerequisite: Algebra IA

Students should register for Algebra IB if they have successfully completed Algebra IA. This Algebra course continues with the basic concepts of Algebra preparing the students for future math courses. This class is taught in a 1/2 block for a full year.

#230 INFORMAL GEOMETRY : 1/2 credit, Elective grade 10

*students must register for two quarters of this class

Developmental/Prerequisite: Pre-algebra or Algebra I

Informal Geometry is an alternative to Geometry for students who have completed Pre Algebra or Algebra I. Proof is not addressed in this course. Topics included are: language of geometry, measurement, lines, polygons, similarity and congruence, area and volumes, parallel, proportion, right triangle relations and circles. This course is recommended for students pursuing a technical education/career after high school.

#232 GEOMETRY A: 1/2 credit, Elective grade 10

*students must register for two quarters of this class

Developmental/Prerequisite: Minimum "C" in Algebra I

Geometry is being provided for those students successfully completing Algebra I. It is one of several courses in a sequence providing experiences for those pursuing a college or technical degree or employment in a technical field. Some of the topics included are logical arguments related to geometric figures, real life problem solving which includes; area, perimeter, volume, similarity, trigonometry, and transformations.

Enriched Math Placement Criteria - Students must meet 2 out of 3 criteria listed to qualify for Enriched math placement. (Teacher signature required)

1. Have successfully completed Enriched Algebra 8
2. Received an 860 or higher on MCA III in grade 8
3. Received a 904 or higher on STAR assessment

#251 ENRICHED GEOMETRY: 1 credit, Elective grade 9

Developmental/Prerequisite: Enriched Algebra I

In Enriched Geometry the course work from Geometry is taught and learned in greater detail with a greater emphasis on proofs. Students who have successfully completed Enriched Algebra I in grade eight should consider enrolling in this course. This class is taught in a 1/2 block for a full year.

#236 ALGEBRA II A: 1/2 credit, Elective grade 11 or 12

*students must register for two quarters of this class

**Students who pass this class and Algebra 1 have successfully completed the state requirement for Algebra.*

Developmental/Prerequisite: Minimum "C" in Geometry

Algebra II is a course required for those pursuing college degrees or employment in a technical field. Some topics include solving many types of equations and inequalities. Included would be linear, linear systems, quadratic, radical, exponential, logarithmic, higher degree polynomial, and rational equations. Graphing many types of functions is also included.

#238 ALGEBRA III: 1/2 credit, Elective grade 11 or 12

Developmental/Prerequisite: Minimum "C" in Algebra IIB

Algebra III is a quarter course containing a review of Algebra II and new material including trigonometry, conics, and statistics as time permits. This course is a prerequisite for Pre-Calculus.

#239 ENRICHED ALGEBRA II A: 1/2 credit, Elective grades 10 or 11

*students must register for two quarters of this class

**Students who pass this class and Algebra 1 have successfully completed the state requirement for Algebra.*

Developmental/Prerequisite: Geometry

In this course greater emphasis is given to solving problems. The topics in this course are the same as Algebra II but taught in greater depth. This is the next course in sequence for students who completed their Algebra I in grade eight and Enriched Geometry in grade nine.

#241 APPLIED MATH IA: 1/2 credit, Elective grades 11-12

#242 APPLIED MATH IB: 1/2 credit, Elective grades 11-12

Developmental/Prerequisite: Informal Geometry or Geometry.

This course combines the study of mathematics with the application of math principles to the world of work. Students must use their various mathematical skills in the areas of agriculture and agribusiness, business and marketing, medical, home economics, and industrial technology. Students must have a working knowledge of algebra and geometry and must provide their own scientific calculator.

#243 CONSUMER MATH/APPLIED ALG II A: 1/2 credit, Elective grade 11 or 12

#244 CONSUMER MATH/APPLIED ALG II B: 1/2 credit, Elective grade 11 or 12

Developmental/Prerequisite: Pre-Algebra and Informal Geometry or Algebra I and Geometry

**Students who pass this class and Algebra 1 have successfully completed the state requirement for Algebra.*

Consumer Mathematics is a course that teaches students about the mathematics of money. Students will learn about earnings, taxes, social security, budgets, investments, credit cards, mortgages, loans, and business finance. Students must have a working knowledge of algebra and must provide their own scientific calculator.

#245 PRE-CALCULUS A: 1/2 credit, Elective grade 11 or 12

*students must register for two quarters of this class

Developmental/Prerequisite: Minimum "C" in Algebra III

Pre-calculus continues the sequence of courses and topics required for those pursuing a college degree or employment in a technical field. Students are encouraged to research post-secondary requirements to determine their need for this course. Some topics included are graphing various functions and conic sections, solving various types of equations, inequalities, systems of equations and trigonometry.

#247 COLLEGE ALGEBRA (MATH 1114) : 1 credit, Elective grade 10-12

Prerequisite: Passing Accuplacer score and/or minimum "C" in Algebra III

This course is offered through Minnesota State Community and Technical College (Fergus Falls) for 4 semester credits (MATH 1114). The course focuses on the following topics: rational and polynomial

functions, exponential and logarithmic functions, inverse functions, quadratic equations, inequalities, matrices, progressions, complex numbers, theory of equations and variations, and linear equations in one, two, or three unknowns. Graphing calculator strongly recommended. See instructor for more information.

#248 COLLEGE FUNCTIONS / TRIGONOMETRY (MATH 1115): 1 credit, Elective grade 11-12

Prerequisite: Passing Accuplacer score and/or minimum "C" in Algebra III or minimum "C" in College Algebra (MATH 1114)

This course is offered through Minnesota State Community and Technical College (Fergus Falls) for 4 semester credits (MATH 1115). The course focuses on the following topics: trigonometric functions, right triangle trigonometry, radian measure and circular functions, identities, equations, inverse functions, oblique triangles, complex numbers, vectors and polar coordinates, conic sections, and time permitting an introduction to limits and sequences. Graphing calculator strongly recommended. See instructor for more information.

#249 COLLEGE CALCULUS I (MATH 1134): 1 credit, Elective grade 11-12

Prerequisite: Minimum "C" in College Functions / Trigonometry (MATH 1115)

This course is offered through Minnesota State Community Technical Colleges (Fergus Falls) for 5 semester credits (MATH 1134). The course focuses on the following topics: limits and continuity, derivatives, definite and indefinite integrals of algebraic and trigonometric functions, including applications of derivatives and definite integrals. Graphing calculator strongly recommended. See instructor for more information.

PHYSICAL EDUCATION AND HEALTH

One credit of Physical Education is required for graduation. Phy Ed 9 is required in 9th grade as well as one more elective course in grades 10-12. In block scheduling students should be aware that they will take only one quarter of PE. This will mean that some of the seasonal activities will not be available to them in just one quarter. One-half credit of Health is required in grade 10.

#276 PHYSICAL EDUCATION 9: 1/2 credit, required in grade 9

This course will include the following activities swimming, basketball, volleyball, hockey, soccer, softball, fitness testing, weight training, bowling, racquet sports. The course will also incorporate various physical fitness activities including body bars, sandbells, jump ropes, and stability balls. Note: Activities will be offered as seasonal conditions permit. Students must pass PE 9 with a "C-" grade or higher to enroll in any elective Physical Education course.

#277 OUTDOOR RECREATION: 1/2 credit, elective grades 10-12

The Outdoor Recreation course is designed to give students opportunities to learn a variety of outdoor recreational skills. Activities will include biking, kayaking, disc golf, golf, roller blading, flag football, softball, and walking. In addition there will also be an Archery unit where fees may apply.

#278 COMPETITIVE SPORTS: 1/2 credit, elective grades 10-12

This course is designed to give students the opportunity to participate in a fast paced competitive atmosphere. Activities will include softball, volleyball, ultimate frisbee, basketball, badminton, floor hockey, lacrosse, tennis, team handball/speedball, pickle ball, and table tennis. Students will be exposed to basic sports officiating.

#279 WEIGHT TRAINING & CONDITIONING: 1/2 credit, elective grades 10-12

This is a “work out” course. Students will be in the weight room three days a week. The other two days will be spent on cardio work or activities. Students will understand and demonstrate proper weight training and power lifting techniques. Students will design and demonstrate a personal strength training program with the goal of improving weekly.

#280: LIFELONG HEALTH AND FITNESS: 1/2 credit, 1 college credit, elective top 10% of grade 10, top 30% of grade 11, and top 50% of grade 12.

Lifelong Health and Fitness is the study and application of appropriate physiological and psychological aspects of fitness to gain knowledge, experiences, and skills needed to develop and maintain a healthy and fit lifestyle. Students will participate in individual and group fitness activities and understand why that participation is essential to lead a healthy lifestyle. Class will include both physical activities and classroom instruction. Classroom instruction will include such topics as the importance of physical activity, obesity, nutrition, target heart rate, caloric intake/output, cardiovascular/respiratory systems, and body composition. Physical activities will vary depending on gym space and weather, but will primarily be individualized. Classes will periodically be held in the pool and weight room.

#281 AEROBICS: 1/2 credit, elective grades 10-12

Through participation students will learn the basics of a variety of aerobics programs. Activities may include high and low impact aerobics, step aerobics, water aerobics, yoga, pilates, kick boxing, tae-bo, bosu ball, fitness videos, stability ball, and cardio and body bar training. Full participation for all activities are required. Modifications to individual exercises are permitted to allow for safety.

#282 HEALTH 10: 1/2 credit, Required grade 10

The 10th Grade Health course focuses on topics to promote positive lifelong skills and the well being of the student over their entire life. Content areas covered deal with areas of family and social health, physical health, chemical health, consumer health and sexual health. Aspects of grief and death will be discussed along with symptoms of mental health problems. This course also concentrates on the health areas that are of the greatest concern for today’s teenagers such as STD’s, problem solving, relationships, etc.

SCIENCE

Science Safety: Students participating in science courses will be required to follow all lab safety rules set down by the instructor of the course. These rules shall include but not be limited to: proper eye protection during all labs, caution and common sense in the handling of all laboratory equipment, as well as chemicals. Before being allowed to perform any laboratory activities, students must meet the instructor’s requirements for handling laboratory apparatus safely. Students who violate safety rules will be excluded from using the laboratory.

#301 GENERAL SCIENCE 9 A: 1/2 credit, Required for grade 9

#302 GENERAL SCIENCE 9 B: 1/2 credit, Required for grade 9

This course provides students with opportunities to explore and learn about a broad range of science concepts. Topics include laws of motion, properties of matter, periodic table, chemical reactions, energy transfers, light, sound, electricity, universe, solar system, & earth systems.

*Biology will not be offered in the 2016-17 school year. This course will be required by all 11th graders starting in the 2017-18 school year.

~~#303 BIOLOGY A: 1/2 credit, Requirement for grade 10~~

~~#304 BIOLOGY B: 1/2 credit, Requirement for grade 10~~

Developmental/Prerequisite: Successful completion of Science 9.

In this course, the learner will analyze the living world from simple cells and their processes to complex organisms and their relationships with other organisms within a variety of environments. This will be accomplished through laboratory experiments, cooperative group learning, inquiry-based projects, and discussion.

#305 BIOTECHNOLOGY: 1/2 credit, Elective for grades 11-12,

Developmental/Prerequisite: Students must have earned an A or B in Biology, or have received teacher approval & signature.

This course introduces the student to the rapidly growing area of biotechnology. During this course, the students will enhance their knowledge of detailed biological systems. They will learn new information about the following concepts: human genome, gene regulation and testing for expression, epigenetics, cloning, stem cells, DNA profiling, genetic engineering, synthetic biology, and fields of biotechnology ranging from medical to aquatic. Practice using sterile laboratory techniques and analyzing bioethical issues will also be included throughout the course.

#306 HUMAN ANATOMY AND PHYSIOLOGY A: 1/2 credit, Elective grades 11-12,

#307 HUMAN ANATOMY AND PHYSIOLOGY B: 1/2 credit, Elective grades 11-12,

*students must register for two quarters of this

class

Developmental/Prerequisite: Teacher approval needed for this class, and B or better in Biology

This course examines the anatomy and physiological processes of the human body. This will be accomplished through the use of lecture discussions, experimentation, and small group discussions. Medical careers will also be discussed and a series of speakers and site visits will be part of this curriculum.

#308 FORENSIC SCIENCE: 1/2 Credit, Elective for grades 11-12

Developmental/Prerequisite: Teacher Approval and successful completion of Chemistry and/or Chemistry in the Community A & B.

Crime and science. What is the connection? Forensic science applies scientific principles to solve crimes using the evidence at hand. In this laboratory based course, the student will analyze physical and chemical evidence using microscopy, measurement, instrumentation and comparison. Topics in this course include analysis of fingerprints, blood, handwriting, DNA, fabric, and casts. The information gathered in this course is used in occupations such as criminal justice, law enforcement, insurance investigation, forensic science, and law.

***NOTE - Starting with the 2016-17 school year students will be required to take either Chemistry or Chemistry in the Community in 10th grade. This will meet the state requirement stating all high school students must take Chemistry or Physics. Biology will be required in 11th grade starting in 2017-18.**

#309 Chemistry in the Community A: 1/2 credit, Elective for grades 11-12 (Meets requirement for Chemistry grade 10 starting 2016-17)

#310 Chemistry in the Community B: 1/2 credit, Elective for grades 11-12 (Meets requirement for Chemistry grade 10 starting 2016-17)

Developmental/Prerequisite: Successful completion of General Science

This course is designed for the student to learn the concepts of chemistry through environmental issues. Topics of study include water chemistry, materials chemistry, petroleum, and alternative energy. Students must register for two quarters.

*This course meets the 2015 state requirements for Chemistry/Physics.

#311 CHEMISTRY A: 1/2 credit, Elective for grades 11-12 (Meets requirement for grade 10 starting 2016-17)

#312 CHEMISTRY B: 1/2 credit, Elective for grades 11-12 (Meets requirement for grade 10 starting 2016-17)

Developmental/Prerequisite: Successful completion of Science 9

Chemistry is the study of the properties of materials and the changes that materials undergo. Topics of study include: classification of matter, chemical changes, physical changes, the periodic table, chemical equations, and calculations. Laboratory experiments will be performed to reinforce these concepts. This course is intended for college-bound students with an interest in the sciences or medical fields.

*This course meets the 2015 state requirements for Chemistry/Physics.

#313 PHYSICS A: 1/2 credit, Elective for grades 11-12

#314 PHYSICS B: 1/2 credit, Elective for grades 11-12

*students must register for two quarters of this class

Developmental/Prerequisite: Successful completion of Biology and Algebra II

This course offers the student explanations and analysis of the physical world. Areas of study include: one and two-dimensional motion, forces, momentum, work, energy, static electricity, wave motion, and electromagnetism. Laboratory experiments will be used to demonstrate these physical concepts. Physics in technology will be analyzed including the important scientists involved in the development of technology. The student will also apply problem solving skills to daily life and develop an increased appreciation for the physical world.

*This course meets the 2015 state requirements for Chemistry/Physics.

#315 AQUATIC ECOLOGY: 1/2 credit, Elective for grades 11-12

Developmental/Prerequisite: Successful completion of Biology.

This course will examine aquatic ecosystems which are found in our state. Students will begin by looking at our drinking water resources and will visit various water treatment facilities. Lake and stream

ecosystems will then be examined looking at the physical, chemical, and biological dynamics of each system.

#316 FIELD ECOLOGY: 1/2 credit, Elective for grades 11-12

Developmental/Prerequisite: Successful completion of Biology.

This course will examine the terrestrial ecosystems of Minnesota. Topics include population dynamics, succession, fire ecology, and survival mechanisms such as hibernation and migration. Students will learn to identify native plants and animals which inhabit these ecosystems and will use topographical maps to identify the topography and key landmarks of an area.

#317 PHYSICAL ECOLOGY: 1/2 credit, Elective for grades 11-12

Developmental/Prerequisite: Successful completion of Biology .

In this course, the learner will analyze processes responsible for the earth's atmospheric conditions, describe how these processes effect local weather as well as global climate patterns, and use current scientific data and personal observations to predict future conditions. This will be accomplished through laboratory experiments, cooperative group learning, inquiry-based projects, discussion, use of meteorological equipment, and outdoor observations.

SOCIAL STUDIES

#351 WESTERN CIVILIZATION: 1/2 credit, Required for grade 9

This course will trace the background and heritage of Western Civilization from antiquity to 1800 America. The goal of this course is to develop a foundation to study American History in the context of World History. The material is divided roughly into six major sections 1) Early Civilizations, 2) Greece & Rome, 3) Medieval Europe, 4) Renaissance & Reformation, 5) Ages of Enlightenment & Exploration and 6) Revolutions. We will examine some of the political structures, ideas, religions, events, movements, social and economic developments, and personalities that have shaped western culture and identity. Current issues will be included throughout the class.

#352 EARLY AMERICAN HISTORY: 1/2 credit, Required for grade 9

Development/Prerequisite: Western Civilization

Students will begin their study of with a review of the principles of the American Revolution, then the creation of the American Government and the development of the American Nation. The class will study the westward movement from the original colonies, will learn how the nation became divided, North and South. The topic of slavery, causes of the Civil War, and the immediate results of the war will also be studied. Students will begin by understanding the Reconstruction Era that followed the Civil War, followed by learning about Native American history and culture west of the Mississippi River and U.S. expansion to the Pacific Ocean. They will also study immigration and minority issues and turn of the century society. The end of the course will look at how the US begins to look beyond its borders to other areas of the World. Current issues will be included throughout the class.

#353 CAREER EXPLORATION: 1/2 credit, Required for grades 9

In this course students will be exposed to numerous occupational fields. They will visit the different types of post-secondary schools and have guest presenters from different occupational fields. Students will complete numerous assessment tools to assist them in identifying their personal strengths, aptitudes, and

personality tendencies. They will create a 4-year plan for graduation standards and for possible occupational pathways. In addition to career exploration activities, study skills and techniques to help them succeed in high school course work will be addressed. The course will also focus on important personal development topics and teen issues.

#354 MODERN AMERICAN HISTORY A: 1/2 credit, Required for grade 10

#355 MODERN AMERICAN HISTORY B: 1/2 credit, Required for grade 10

Development/Prerequisite: Early American History and Western Civilization

This course continues the studies of the Western Civilization/Early American Studies class (9th grade). This course examines the USA's growth at home and internationally. Units include World War I, followed by studies on the 1920s and 1930s. World War II, its causes, events and aftermath, are emphasized. "Post-war" U.S. society and the USA's role in global affairs are studied throughout the 1950s, 1960s, 1970s, 1980s, 1990s and the latest "Turn of the century" (2000) including the first decade of the current century. Contemporary U.S. society/current events are included.

#356 WORLD STUDIES : 1/2 credit, Required for grade 11

#356 WORLD STUDIES: 1/2 credit, Required for grade 11

(Note: students need two quarters of #356)

Development/Prerequisite: Modern American History

World Studies is designed to educate students about their cultural past, contemporary issues and future needs. Students will learn about state and worldwide issues including the developing nations and economic problems. The study of world geography will constitute a major area of study in this course. The course will attempt to develop the student's critical thinking skills as well as problem solving and decision making skills.

#357 COLLEGE GEOGRAPHY: Elective for Grade 11 - 12

Prerequisite: World Studies and a passing score on the Reading Section of the Accuplacer

Theme of socioeconomic development, broadly defined, used to organize and present a variety of geographic concepts in relationship to selected major regions of the world. Students will gain an understanding and appreciation of the spatial relationship of the physical and human elements of our world with an emphasis on the interdependence of nations and peoples. Geography describes the earth's environments and gives character to places through words, maps and graphics, and this course will explore these elements and their contributions to the diversity of world geography. Students will become aware of how the world and the earth's people interact in local regions and in patterns around the globe.

#358 U.S. GOVERNMENT: 1/2 credit, Required for grade 12

This course contains the study of the government at the federal, state, and local levels. Each level of government is broken into various branches for intensive study. Also studied is the basic philosophy of democracy and other governments. Election procedures and political parties are taught for intended future political involvement.

#359 COLLEGE POLITICAL SCIENCE: 1/2 credit, Elective grade 12

Pre-Requisite: Passing score on the Reading Section of the Accuplacer

This course is part of the College In High School program and satisfies the senior US Government requirement. Students will also receive 3 college credits through University of Minnesota - Crookston. This class is set in a block schedule for one quarter and students must participate in the "We The People"

activity in St. Paul in order to receive college credit. Students must qualify for this course. Please see Guidance Department for details.

#360 ECONOMICS: 1/2 credit, Required for grade 12

A comprehensive study of income tax and social security takes place in this course to compliment US Government. Other topics taught are: psychological makeup of the individual and his place in society, a look at the economic structure of the U.S. and a comparison to other world economic systems. Globalization and trade will also be featured topics. Strength and failure of our economic system will also be a focal point.

#367 ECONOMICS: 1/2 credit, Required for grade 12 (Hybrid Course)

This course is the same as course #360, but is offered in a hybrid format. Students will have a combination of traditional classes and on-line classes. Students registering for this course should understand the responsibility to keep up with assignments presented in an on-line format and may be assigned to daily traditional attendance if they fall behind. *This course is being piloted for the first time in the 2011-12 school year.

#361 20TH CENTURY WORLD HISTORY: 1/2 credit, Elective for 11-12

This is an elective course examining the causes and interrelationships of major events of the 20th Century. Topics to be explored include the World Wars, genocide, the Cold War, the rise and fall of communism, Vietnam, and other events that shaped today's world, such as the Middle East Conflict, terrorism and current events.

#362 INTRODUCTION TO PSYCHOLOGY: 1/2 credit, Elective for grades 11-12

This course is designed to give students a fundamental knowledge of the basic concepts in the field of psychology. Students will study explanations and theories which can help them understand their own behavior and the behavior of others. Units of study include: personality development, development of behavior, emotional development, coping with frustration and conflict, and psychological disturbances.

#363 ADVANCED PSYCHOLOGY: 1/2 credit, Elective for grades 11-12

Development/Prerequisite: Introduction to Psychology

This course will be more detailed than the introductory course, but will develop many of the same ideas. Included in the course will be research methods and analysis. Discovery learning through experiments and survey is emphasized. Other units of study include treatment of psychological disturbances, adolescent development, sleep and dreams, principles of learning, and aspects of social psychology.

#364 HISTORY OF MEDIA: 1/2 credit, Elective grades 10-12

This course examines the history and development of Mass Media with an emphasis on human communication, especially in terms of technology uses, such as print media, radio, film, music, advertising, internet, and others. The course also studies Mass Media's influences in relation to politics, corporations, and cultural identity.

#365 CONTEMPORARY ISSUES: 1/2 credit, Elective grades 10-12

This course will utilize the concepts of change, global interdependence and current trends as a framework to analyze the causes, consequences and solutions to persisting global issues. A variety of media resources will be used to examine today's world events in relationship to the lives of students.

#366 DIVERSITY ISSUES IN AMERICA: 1/2 credit, Elective grades 11-12

This course will address such diversity issues as racism, sexism, classism, ageism, and disability rights. The course will look extensively at these issues, the history of them, and how these issues have played a divisive role in American society. Students will ponder the question, "Can America survive with these issues so evident in society?"

MISCELLANEOUS COURSES

**** Students may choose School Service or Independent Study once during their high school career unless extenuating circumstances apply.**

#400 SCHOOL SERVICE CREDIT: 1/2 credit, Elective grade 12

Students may receive a high school credit for services performed within the school or for a nonprofit organization. In order to earn a school service credit, a student must work at a school or volunteer task one block each day for the quarter. Students will receive a Pass (P) or No pass (N) grade on the report card for the experience. This grade is not used when computing grade point averages. Students may choose a school service elective only once for a total of one-half credit during the senior year of high school. Each school service credit will require that a contract be drawn up between a teacher or staff member in the system and the student requesting the credit approval. A weekly log sheet must be completed by the student for every week of that quarter.

#401 COMMUNITY SERVICE CREDIT: 1/2 credit per 60 hours of service, Elective for grades 11-12, maximum of 1 credit.

Students are eligible to receive high school credit for services performed for a community or volunteer organization. In order to earn community service credit, a student must work at least 60 hours of volunteer service (non-paid) to earn 1/2 credit. Students will receive a pass (P) as a grade on the report card for their experience. This grade is not used when computing grade point average. A student will be allowed to earn a maximum of one community service credit toward completion of their graduation requirement. Each community service credit will require a contract between the student and the supervisor. Contracts will be evaluated at the end of each quarter. This contract must contain a job description, goals, evaluation process and specific location of service. All community service is done outside of school hours and does not substitute for courses at Albany High School.

#402 INDEPENDENT STUDY: 1/2 credit, Elective grade 12

(This class would substitute for a school service. Students should not pre-register for this course.)

This is a course designed for the student who has a special interest or talent in a given subject area. Students taking Independent Study will work on their own in a subject with the support of the chosen faculty in that subject. For students to qualify for this class they must; have a 3.0 or better in that given area, have a good attendance record, have a good record of discipline, completed all courses offered in the given content area, and have permission from the instructor. Students must also submit a learning plan for teacher and administrative approval.