

Elkhart Lake-Glenbeulah

High School

2017 -- 2018

COURSE CATALOG

COURSE CATALOG DESCRIPTIONS ARE ALSO
AVAILABLE ON-LINE AT

www.elgs.k12.wi.us

(Click on: High School * Academics * Course Description Catalog)

2017-2018 COURSE CATALOG

<u>COURSES REQUIRED FOR GRADUATION</u>	<u>CREDITS REQUIRED FOR GRADUATION</u>			
	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>
Science	2	2	2	2
Biological Science	1	1	1	1
Math	3	3	3	3
English	4	4	4	4
Social Studies	2	2	2	2
U.S. History	1	1	1	1
Physical Education	1½	1½	1½	1½
Health	½	½	½	½
Computer	½	½	½	½
Personal Finance	½	½	½	½

A total of twenty-six (26) credits are required for graduation (16 required credits plus elective credits).

Students are also required to complete 20 hours of community service to graduate. It is suggested that each student submit a minimum of 5 hours per year in high school.

Academic promotion or advancement to the next grade level will be determined only by credits earned.

- Freshman -- 0 to less than 6 credits
- Sophomore -- 6 to less than 12 credits
- ① Junior -- 12 to less than 18 credits
- ① Senior -- 18 credits and above

SCHEDULE CHANGE PROCEDURE

Schedule changes do occur at different times throughout the scheduling process. A request for a schedule change may require a written explanation for the change along with parental and administrative approval. Changes will be allowed during registration in August, the first two days of school in the fall, and possibly during the first semester for second semester elective courses ONLY, for the following reasons:

1. To allow for the scheduling of a required course
2. To remove a conflict
3. To make up for a course failure
4. To allow for the scheduling of a work training program
5. To allow for the scheduling of an upper level course
6. To facilitate a genuine change in career direction
7. To provide for a program modification based upon special circumstances (requires guidance counselor approval).

Certain abbreviations are used in this catalog. Please note the meanings below:

AP = Advanced Placement (A course in which the student can register to take a test for a fee and potentially earn college credit for the course based on his/her test score)

CC or **TC** = College Credit or Transcribed Credit (The student can enroll for a fee in the class and have it count as dual credit, both for high school and as college credit. If this option is chosen, he/she

becomes a college student and must abide by the college policies)

AS = Advanced Standing (A student enrolled in an advanced standing course and earns a “B” or higher will receive credit for this course if/when he/she enrolls at LTC, Lakeshore Technical College)

In this catalog you will notice that a few of the classes are listed twice. These particular classes fit into more than one subject area, thus they are listed in both sections. These classes are:

Horticulture, Large Animal Science, Wildlife & Natural Resources – all Agriculture and Science classes

Personal Finance – a Family & Consumer Science and Business class

Computer Applications I & II – Technical Education and Business classes

Drafting & CAD II, Construction & Architecture – Technical Education and Math classes

AGRICULTURE

SMALL ANIMALS: (Semester Course) (Semester Course, offered only in school years beginning with **even** numbers) This course will focus on companion animals such as dogs, cats, rabbits, fish, birds and other animals kept as pets. Topics that will be studied include breeds, anatomy, feeding, diseases, reproduction, caring for animals, and responsibilities involved in owning the animal. (Open to grades 9, 10, 11, and 12) (½ credit)

LANDSCAPING: (Semester Course) The principles of landscape design will be studied and applied on the school grounds. Flower, tree, and shrub identification will be emphasized along with proper use of each of the plants. Students will design their own landscapes on paper and by utilizing a computer software program. Other topics include careers, landscape management and maintenance, and interiorscaping (house plant design). (Offered 2nd Semester ONLY) (Open to grades 9, 10, 11, and 12) (½ credit)

LEADERSHIP: (Semester Course) This course will stress leadership skills, speaking skills, and career skills. Students will have the opportunity to improve on the leadership abilities they already have and develop new skills that will make them effective leaders. Students will learn to develop resumes, interviewing skills, and time management skills and all about parliamentary procedure. (Open to grades 10, 11, and 12) (½ credit)

ANIMALS, PLANTS, AND PIZZA: (Semester Course) This course is an introduction to agriculture. Topics include the history and importance of agriculture in Wisconsin, opportunities available through the FFA, careers in agriculture, livestock production, the dairy industry, plant health and propagation, crop production, forestry, food safety, dairy products, organic food production, and science in agriculture. (Recommended for grades 9 and 10, but open to all grades) (½ credit)

WILDLIFE AND NATURAL RESOURCES: (Semester Course) This course will cover a variety of topics related to wildlife and our natural resources. Topics include the history of conservation, conservation practices, soil types and soil erosion, water usage and water pollution, forest industry and products, woodland management, fish and wildlife management, outdoor recreation, and careers in wildlife and natural resources. This class includes a winter ecology or fishing field trip. (Open to grades 9, 10, 11, and 12) (½ credit) **This description can also be found in the science section, as it is a science credit class.

LARGE ANIMAL SCIENCE: (Semester Course) (Semester Course, offered only in school years beginning with **odd** numbers) Students will learn about dairy cattle, beef cattle, horses, pigs, sheep,

goats and poultry. Topics related to each animal include breeds, body systems, nutrition, reproduction and breeding, health and diseases, behavior and facilities. It is recommended to take Animals, Plants and Pizza prior to taking this class, but it is not required. (Open to grade 9, 10, 11, and 12) (½ credit) **This description can also be found in the science section, as it is a science credit class.

HORTICULTURE (TC): (Year-Long /Semester Course) This course will focus on the following areas of Horticulture: the horticulture industry including raising fruits, vegetables, ornamental plants and trees; history of the industry and current trends; importance of horticulture; careers in horticulture; groups of plants and their uses; plant parts, functions, reproduction and processes; soil types and effects on plants; plant diseases and pests; plant health care; and management strategies for horticulture crops. Students will transplant seedlings and care for plants in the greenhouse. Students who complete this course (year-long) will receive 3 college credits through LTC. (Open to grades 10, 11, and 12.) (.5 – 1.0 credit) (1 Laude point/semester) **This course would be required of students entering the YA Golf Management Program. **This description can also be found in the science section, as it is a science credit class. (Laude Tier 1)

ART

Basics in Art Theory & Concepts: Painting & Drawing and Art 3-D: a two semester program designed to serve as a basis for further art study. First semester will be devoted to drawing. The art student will learn contour drawing, gesture drawing, drawing in perspective, symmetrical design and basic composition. An introduction to watercolor painting and printmaking will also be included. Color, its value, uses, and theory will be explored using acrylic paint. Art history, involving fine artists will be introduced and their various art techniques and mediums will be applied. The second semester will include ceramics (clay) and the introduction of other 3-D projects, possibly, stained glass, metal jewelry, and mosaics. (Open to grades 9, 10, 11, and 12) (.5 credit each semester)

Art Theory & Concepts: Painting & Drawing and Art 3-D: (Year-long or semester course, either 1st or 2nd semester) A semester program with advancement in the drawing and painting concepts learned in the basics art course. This program will include drawing that is graduated to realism, cubism, pointillism, and abstract art. Art students will study more advanced composition techniques. They will work with graphite/colored pencils, pastels, acrylics and watercolor paints. Printmaking will involve more complex linoleum print designs. Second semester will include larger ceramic (clay) pieces with advanced techniques and embellishments. Working in stained glass, metal jewelry, and mosaics will also be possible 3-D additions. (Open to grades 10, 11, and 12) (Prerequisite: Art Basics) (1 credit for year-long; 0.5 credit if only taken one semester.)

Art Techniques: Painting & Drawing(IV): (Semester course, fall only) a one-semester program. This course will be devoted to two large graphite/colored pencil renderings first quarter. Advancement in watercolor painting techniques, with an introduction to oil painting, including learning to stretch and prepare a canvas for painting will be demonstrated and practiced. One watercolor painting and one oil painting will be completed. The focus of attention will be illustration and advertising, possibly using computer art design. Photography will also be taught. (Open to grades 11 and 12) (Prerequisite: one semester of Art Theory & Concepts) (0.5 credits) (1 Laude credit)

Advanced Art Techniques: Painting & Drawing(IV): (Semester course, fall only) a one semester program. This program will be devoted to advancement in drawing and painting techniques. Acrylic,

watercolor, and oil paints will be utilized. This course will allow the artist a more limited and concentrated study of individualized problem solving. Self-discipline and motivation are the keys to success at this level. (Prerequisite: Art Techniques) (0.5 credits) (Year 4, Laude Tier 2)

Techniques in Art 3-D/Advance Art Techniques in 3-D:(Semester course, spring only) a one semester program including such areas as ceramics, printmaking, photography, and possibly stained glass, metals (jewelry), painting on silk and batik fabric techniques. This course will allow the artist a more concentrated study of individualized problem solving. Self-discipline and motivation are the keys to success at this level. (The projects in Advanced Techniques will be similar but more advanced.) (0.5 credits) (1 Laude credit/semester) (Year 4, Laude Tier 2)

Art V (Independent Study): Independent study for seniors only, intending to pursue a postgraduate degree in the Fine Arts or those who have a genuine interest in the field of art and intends to expand on their talents. A portfolio should also be assembled in this program. (Prerequisite: Consent of the instructor) (½ to 1 credit) (Laude Tier 2)

BUSINESS EDUCATION

PERSONAL FINANCE: (Semester Course) Money won't buy happiness, but it can help you reach some of your goals if you use it wisely. This course will teach students the essentials of managing their money. Topics will include banking/checking accounts, budgeting, saving/investing money, the wise use of credit, insurance, income and taxes, and consumer choices. (REQUIRED COURSE; Open to Juniors and Seniors) (½ credit)

COMPUTER APPLICATIONS I: (Semester Course) This course provides the opportunity for students to learn various computer applications using a PC based platform. Students will be introduced to the Microsoft Office Suite® through the production of documents, using Word; spreadsheets, using Excel; database, using Access; and presentations, using Power Point. (Open to grades 9, 10, 11, and 12) (½ credit) This course is an ADVANCED STANDING course with LTC.

Computer Applications II / (Graphic Communications): (Semester Course) This course provides an opportunity for students to enhance their PC based computer skills through the exploration of Graphic Design and the use of Microsoft Office Suite®. Students will complete digital print production, web design, and video production projects using Adobe Photoshop, Adobe Illustrator, Microsoft Publisher, Adobe Premiere, and JavaScript. Projects include photo editing, posters, book jackets, CD covers, website development, movie trailers, commercials, news casts, and cell phone app creation. This course is recommended for any students considering a career in graphic communications or a career using Microsoft Office Suite® (Open to grades 9, 10, 11, and 12) (Prerequisite: Computer Applications I) (½ credit)

****Additional business related courses can be found in the Family & Consumer Science section**

ENGLISH

ENGLISH 9 (Literary Genres): (Year-long course) English 9 will serve all freshmen. The goals of the course include helping students to write clearly and concisely, applying conventions of grammar and

usage, and to analyze and understand both literature and informational text in both a printed and digital format. Students will be required to display comprehension through a variety of performances, including speaking exercises. (1 credit)

ENGLISH 10 (World Literature): (Year-long course) English 10, for all sophomores, introduces students to our world-wide literary heritage, including a wide sampling of fiction and non-fiction selections across time, cultures and technologies. Students will show grade-level proficiency in both expository and persuasive writing and will be required to display comprehension through a variety of performances, including speaking exercises. (1 credit)

ENGLISH 11 (American Literature): (Year-long course) English 11, for all juniors, offers a study of American literature from the colonial period to the present. All genres—poetry, drama, short story, novel, and non-fiction—are represented. The course also incorporates instruction and practice in writing papers of various kinds and lengths and in research and documentation. Public speaking opportunities and instruction in grammar and usage are also provided regularly. (1 credit)

TECHNICAL/BUSINESS WRITING: (One-semester course) This course is geared toward providing students with the technical and business writing skills necessary to succeed in the 21st-century workplace. The course will cover writing memos and letters, resumes, and various types of business reports, using technology and emphasizing digital literacy. Grammar and usage instruction is also a component of the course. (Open to **Juniors and Seniors**.) (½ credit)

EUROPEAN LITERATURE I and II: (Each a one-semester course) This course is designed for the college-bound student. It involves a chronological study of European literature from the earliest oral traditions through the Renaissance in the first semester and from the Enlightenment through contemporary times in the second semester. Each module focuses on the prose, poetry, drama, and non-fiction of a major literary period. Assigned writing is expository and persuasive, based on the literature, and includes a research paper. (Open to **Juniors and Seniors**) (1/2 credit each semester) (Laude Tier 2)

ENGLISH 12 – COLLEGE CREDIT ENGLISH (TC):

English 101: English Composition: (First Semester) This is a college-level class under the auspices of St. Norbert College. Successful completion of the class will earn the student four (4) college credits and ½ credit of high school English. This course is designed to help students develop and discipline their powers of exposition through an in-depth study of a few literary

masterpieces and a systematic series of rhetorical exercises to help them explain their ideas in writing with clarity and effect. (Laude Tier 1)

English 150: Introduction to Literature: (Second Semester) This is a college-level course in literature with various philosophical points of view. The course develops skills in close reading and analysis of selected works from the genres of poetry, fiction, and drama according to the various principles and techniques of literary criticism. It enlivens perceptions and develops the ability to express them through class discussions and papers. Successful completion of the course earns the student four (4) college credits and ½ credit of high school English.

(Prerequisite: College Credit English 101) (Laude Tier 1)

NOTE: Student **must** take a qualifying exam and score at or above a specified cutoff; he/she **must** have an overall G.P.A. of 3.0 or higher; he/she must have successfully met the composition requirements of English 11; and he/she **must** be recommended by the course instructor and St. Norbert College.

CREATIVE WRITING: (One Semester Course) Creative Writing is designed for students interested in imaginative composition. Students exercise observational skills and sharpen their sensitivity to language by writing personal essays, biographical sketches, poetry, and short stories, as well as creating multi-media projects. Students will share their work with classmates, giving and accepting constructive criticism. A showcase of students' best work will be published at the completion of the course. (Open to grades 10, 11 and 12. (½ credit) (Laude Tier 2)

PUBLICATIONS: (Year-Long Course) The purpose of the Publications class is to create real-life learning experiences in the field of publications. The class will be responsible for the publication of the school yearbook and the senior slide show. Students will learn to organize information, problem solve, work as a team, and become independent thinkers as they complete all deadlines. The class will be run as a business, with an emphasis on meeting deadlines and responsibilities. The students will receive hands-on experience using Photoshop, In-Design, and Adobe Acrobat Reader. (Open to grades 11 and 12; 10 with teacher approval.) (1.0 **elective** credit)

FAMILY AND CONSUMER SCIENCE (FCS)

Overview – Family and Consumer Science programs prepare students to function independently and interdependently as family members, workers, and citizens in everyday life and careers. Work skills and employability skills are taught as part of each class. All high school students have the option of

participating in FCCLA (Family, Career, Community Leaders of America), which is the student leadership organization for Family and Consumer Science, however the core concepts of the group will be reinforced throughout the FCS classes (listed below).

FOODS –CULINARY ARTS

The foods courses have been redesigned to include a professional focus. Students will obtain the skills and knowledge necessary for employment in the Restaurant and Food Service Industry, and/or receive advanced placement in the post high school culinary art and hospitality programs through Lakeshore Technical College. Students who just want to use the skills learned for their personal enjoyment and curiosity can still enroll in the classes.

The Culinary Arts 2 and 3 classes are the first year of the National Restaurant Association Education Foundation's ProStart Program which is a two-year industry-based program that prepares students for careers in the restaurant and foodservice industry. Students gain valuable restaurant and foodservice skills through their academic and workplace experiences. Whether students are looking to enter the job market or are making plans for college, the ProStart Program is a great first step. Students are hired for internships by qualified foodservice operations. There they receive firsthand training from worksite mentors. In the classroom, lessons and activities come alive as students make real world connections.

Requirements to complete the ProStart program and receive the Certification include:

*2 year High School Curriculum (Culinary Arts 2, 3, 4, and 5 with Culinary Arts 1 as a pre-requisite)

400 mentored work hours with completed competencies

Scholarship Opportunities

College Credit from Lakeshore Technical College and potentially other institutions – please see Mrs. Roehl for more details.

CULINARY ARTS 1: You will learn basic food preparation skills and necessary nutritional skills to maintain a healthy body throughout your life span. You will learn about our food supply, our bodies' nutritional needs and how to properly choose, store and prepare the following foods: meat, poultry, seafood, dairy, eggs, fruits, vegetables and grains. You will also learn basic measurement techniques and culinary knife skills. This is a pre-requisite for Culinary Arts 2, 3, 4 and 5.

Credits: ½

Recommended Grade Level: 9, 10, 11, 12

Length of Course: 1 semester

Pre-Requisites: None

CULINARY ARTS 2 (AS): This is the first semester of the National Restaurant Association ProStart program. You will learn about the Hospitality and Tourism industry and its role within society, Safety and Sanitation procedures within a restaurant or business, professionalism, advanced knife and measuring techniques, foodservice equipment, different aspects of a restaurant including purchasing, receiving and costing, and preparing stocks, sauces and soups.

Credits: ½ (Laude Tier 2)

Recommended Grade Level: 10, 11, 12

Length of Course: 1 semester

Pre-Requisites: Culinary Arts 1

CULINARY ARTS 3 (AS): This is the second semester of the National Restaurant Association ProStart program. You will receive ServSafe Training and have the opportunity to take the ServSafe test to become a Certified ServSafe Manager. Units covered include safely preparing and serving food, customer relations, interview and job skills, preparation of fruits, vegetables, grains and garnishes. NRAEF skills test completes year 1 program.

Credits: ½ (Laude Tier 2)

Recommended Grade Level: 11, 12

Length of Course: 1 semester

Pre-Requisites: Culinary Arts 1

**Class recognized as Advanced Standing Credit: LTC Safety and Sanitation (1 credit), however, if ServSafe Certificate test is passed, class becomes a Transcribed Credit course (1 cr, Laude Tier 1).

CULINARY ARTS 4 (AS or TC): – This is the first semester of the second year of the ProStart certification. Units include preparation of breakfast foods, sandwiches, dairy foods, salads, grains, nutrition, controlling restaurant costs, menu pricing, purchasing and inventory. Through hands-on identification procedures of vegetables, seafood, meats, fruits, herbs and spices, you will study the origins and seasonality of food, food quality, use, safe handling and fabrication. The USDA grading system and butchery concepts will also be included in this course. Safety, sanitation and cost control concepts are applied.

Credits: ½ (Laude Tier 2)

Recommended Grade Level: 11, 12

Length of Course: 1 semester

Pre-Requisites: Culinary Arts 1, 2 and 3

Class recognized as Advanced Standing Credit at LTC - Food and Beverage (1 credit; but you must also take CA5 to receive the 1 credit. Tier 2) or Transcribed Credit at LTC - class: 10316101 Product Identification and Purchasing (2 credits; but **to receive the transcribed credit (2 credits) you will need to complete this course and Culinary Arts 5 and the required LTC portfolio items. Tier 1)

CULINARY ARTS 5 (AS or TC): – This is the last course in the ProStart program and is offered the second semester. Units covered include preparation of desserts and baked goods, meat, poultry, seafood and global cuisines, marketing and the menu, sustainability in the restaurant industry, standard accounting practices and communicating with customers. Through hands-on identification procedures of vegetables, seafood, meats, fruits, herbs and spices, you will study the origins and seasonality of food, food quality, use, safe handling and fabrication. The USDA grading system and butchery concepts will also be included in this course. Safety, sanitation and cost control concepts are applied. Students who are on track to receive the ProStart certification will complete workplace competencies. NRAEF skills test completes year II program.

Credits: ½ (Laude Tier 2)

Grade Level: 10, 11, 12

Length of Course: 1 semester

Pre-Requisites: Culinary Arts 1, 2, 3, and 4

****Class recognized as Advanced Standing Credit at LTC - Food and Beverage (1 credit; but you must also take CA5 to receive the 1 credit. Tier 2) or Transcribed Credit at LTC - class: 10316101 Product Identification and Purchasing (2 credits; but **to receive the transcribed credit (2 credits) you will need to complete this course and Culinary Arts 4 and the required LTC portfolio items.** Tier 1)**

INDEPENDENT LIVING (FORMERLY SINGLES LIVING): (Semester Course, offered only in school years beginning with **odd** numbers) This class will focus on two specific areas: Career Preparation and Independent Living. The Career Preparation unit will include career investigation, career determination, career planning, budgeting for college and personal expenses, job preparation, application and interview skills, how to dress for success and communication skills. The Independent Living unit will include searching for housing, budgeting for housing needs, managing expenses, repairing clothing, determining nutritional needs, cooking within a budget, interpersonal relationships and communication skills within your relationships. The class will also use some of the FCCLA programs related to the above listed skills.

Credits: ½

Recommended Grade Level: 10, 11, 12

Length of Course: 1 semester

Pre-Requisites: None

RELATIONSHIP SMARTS: (Semester Course, offered only in school years beginning with **odd** numbers) Everyone wants to have good relationships with family, friends, and co-workers, but relationships do not just happen. This class will provide practical guidance for building relationships. It covers such topics as positive and negative relationships, falling in love, relationship decisions, emotions, communication, and conflict management. Students will participate in many styles of

discussion, personal reflections, research, and case studies. Guest speakers will be used in some units.

Credits: ½

Recommended Grade Level: 9, 10, 11, 12

Length of Course: 1 semester

Pre-Requisites: None

INTRODUCTION TO HOSPITALITY MARKETING: (Semester Course) This course is an introductory course to marketing and will focus specifically on the hospitality industry although the concepts learned will be able to be applied in other industries as well. You will learn and discuss how to market customers before they purchase, during their purchase and after their purchase to promote customer satisfaction and promote a long term mutually beneficial relationship. This class is recommended for any student that is interested in a hotel and hospitality management, culinary, business, marketing, advertising or entrepreneurial career.

Credits: 1/2

Recommended Grade Level: 9, 10, 11, 12

Length of Course: 1 Semester

Pre-Requisites: None

HOUSING AND DESIGN: (offered only in school years beginning with **even** numbers) This course will cover housing needs in relation to lifestyle and changing family structure; designing interiors to fit individual and family lifestyles; using the design principles to solve interior problems; and career opportunities in this area.

Credits: 1/2

Recommended Grade Level: 9, 10, 11, 12

Length of Course: 1 Semester

Pre-Requisites: None

PARENT AND CHILD: (Semester Course, offered only in school years beginning with **even** numbers) The course will analyze readiness, roles and responsibilities of parenthood, explore child growth and development, recognize the importance of nurturing and guiding children and strengthening families, and examine child related careers.

Credits: 1/2

Recommended Grade Level: 9, 10, 11, 12

Length of Course: 1 Semester

Pre-Requisites: None

CUSTOMER SERVICE PROGRAM:

After successful completion (C or higher on LTC's scale) of the following two classes: Customer Service Techniques and Leadership and Professionalism you will earn the Customer Service Certificate from LTC.

(Open to grades 11 & 12; grade 10 with teacher approval)

Both classes are transcribed, meaning they are college credit courses, through LTC.

CUSTOMER SERVICE TECHNIQUES (TC): This class will teach you skills in customer relations, judgment, and business development. You will receive training in connecting with customers, healing customer relationships, and dealing with customer needs. It will also prepare you for the business world by teaching you effective communication techniques including writing memos, reports, drafting e-mail messages, and developing effective speaking skills.

Credits: .25 HS credit (Laude Tier 1)

Recommended Grade Level: 11, 12 (Grade 10 with teacher approval)

Length of Course: One quarter

Pre-Requisites: None

College Credit: Lakeshore Technical College 2 credits

LEADERSHIP AND PROFESSIONALISM (TC): This class will prepare you to feel confident in the business setting and to understand business procedures in a culturally diverse, international market. We will focus on proper etiquette, introductions, professional body language, cultural sensitivity, dining and social skills, time management, and conflict management/resolution.

Credits: .5 HS credit (Laude Tier 1)

Recommended Grade Level: 11, 12 (Grade 10 with teacher approval)

Length of Course: One Semester

Pre-Requisites: None

College Credit: Lakeshore Technical College 3 credits

PERSONAL FINANCE: (Semester Course) Money won't buy happiness, but it can help you reach some of your goals if you use it wisely. This course will teach students the essentials of managing their money. Topics will include banking/checking accounts, budgeting, saving/investing money, the wise use of credit, insurance, income and taxes, and consumer choices. (REQUIRED COURSE; Open to Juniors and Seniors) (½ credit)

FOREIGN LANGUAGE

SPANISH I: (Year-Long Course) This course will introduce the Spanish sound system, basic vocabulary and grammatical structures. Students will build proficiency in spoken and written language,

as well as listening and reading interpretation. Hispanic culture is introduced. (Open to grades 9, 10, 11, and 12) (1 credit)

SPANISH II: (Year-Long Course) This course focuses on the review of fundamentals, expansion of vocabulary, some advanced grammar, oral expression, reading, listening and written work. Creativity and spontaneity with the language will be emphasized. (Prerequisite: Spanish I) (1 credit)

SPANISH III: (Year-Long Course) This course will review the fundamentals, focus on increasing student vocabulary and advanced grammar. Students will participate actively using oral and written forms. The focus of Spanish III will be proficiency in all areas, including listening, speaking, reading and writing. (Prerequisite: Spanish II) (1 credit) (Laude Tier 2)

SPANISH IV: (Year-Long Course) This course will review and introduce advanced grammar and vocabulary. It will also introduce various Spanish authors and focus on current events, customs, and culture of the Spanish speaking world. Creativity and spontaneity through written and oral expression in the language will continue to be emphasized. (Prerequisite: Spanish III) (1 credit) (Laude Tier 2)

FRENCH I: (Year-Long Course) French 1 is an introductory language course with a focus on communication. In this class, students will begin to communicate in French through listening, speaking, reading, and writing activities all geared toward learning how to be creative and spontaneous with the language. (1 credit)

FRENCH II: (Year-Long Course) French II will introduce some advanced grammar and extend student vocabulary with a focus on authentic communication. In this class, students will communicate in the present and past tenses through listening, speaking, reading, and writing activities. Creativity and spontaneity with the language will continue to be an emphasis. (Prerequisite: French I) (1 credit)

FRENCH III: (Year-Long Course) French III will build on the basics from French I and II, while introducing advanced grammar and increasing vocabulary. The focus of this course will be to build proficiency in all areas of French, strengthening listening, reading, writing and speaking abilities. (Prerequisite: French II) (1 credit) (Laude Tier 2)

FRENCH IV: (Year-Long Course) This course will review and introduce advanced grammar and vocabulary. It will also introduce various French authors and focus on current events, customs, and culture of the French-speaking world. The focus of this course will be to continue building proficiency in all areas of French, strengthening listening, reading, writing and speaking abilities. Creativity and spontaneity through written and oral expression in the language will be emphasized. (Prerequisite: French III) (1 credit) (Laude Tier 2)

HEALTH SCIENCE

Students interested in the **health care field** should see Mrs. Bunyea about a program through the LSHCA (Lakeshore Health Career Academy). This program offers students the opportunity to take health career related classes online as juniors and seniors, possibly sophomores. More information can be found at www.lshca.org or by talking to Mrs. Bunyea. Students are encouraged to take 4 years of math and 4 years of science, with chemistry taken in the sophomore or junior year. **Also see the health related courses listed in the distance learning section and online class offering website, which can be taken in the junior and senior years.

MATHEMATICS

PRE-ALGEBRA: (Year-Long Course) This course develops the foundations of Algebra as it builds on the operations of real numbers and algebraic expressions. Topics include data analysis, probability, logic and geometry, coordinate graphing and transformations, and right triangle trigonometry. A scientific calculator is required. (1 credit)

ALGEBRA: (Year-Long Course) This course develops an understanding of the real number system. Identifies and uses variables in the algebraic statements and sentences and examines the properties and applications they possess. This course develops deductive reasoning necessary to apply the algebraic skills to real situations through gradual skill development and practice. (Prerequisite: Algebra Readiness Test) (A scientific calculator is required) (1 credit)

GEOMETRY: (Year-Long Course) Studies the basic geometric figures, develops an understanding of the nature of proofs, and reinforces algebraic and arithmetic skills. Develops feeling for working with the lines, angles, triangles, and quadrilaterals. This course Introduces trigonometry and geometric transformations. A scientific calculator is required. (Prerequisite: Algebra) (1 credit)

ADVANCED ALGEBRA: (Year-Long Course) Extended knowledge of the real number system and an introduction to complex numbers. Introduces and develops linear, quadratic, exponential, and trigonometric functions and their graphs. The study of matrices is also included. A graphing calculator is required. (Prerequisite: Algebra, Geometry or instructor approval) (1 credit)

PRE-CALCULUS MATHEMATICS: (Year-Long Course) Studies the development of functions including operations on functions, composition of functions, graphs and transformations, finding zeros, and solving applied problems. There is an emphasis on trigonometric functions. Other topics include rational functions, parametric equations, and polar coordinates and systems of equations. Emphasis is on graphs and their interpretation. A graphing calculator is required. (Prerequisite: Algebra, Geometry, and Advanced Algebra) (1 credit) (A test will be administered in the start of the course to determine if a student qualifies to take this course for college credit; 5 credits from UW-Sheboygan; MAT 124) (Laude Tier 1)

CALCULUS: (Year-Long) The limit process is studied extensively and the derivative is developed as a limit. The differentiation process is applied to problems involving maximum/minimum, linear and

curvilinear motion: (velocity and acceleration) and curve sketching techniques. Indefinite and definite integrals are studied as is the application to area under a curve, length of a curve, surfaces and volumes of revolution, hydrostatic pressure, work and centroids. Additional topics involve the Trapezoidal Rule and Simpson's Rule for approximating areas, Taylor and MacLaurin Series and first order separable differential equations. This course is designed to parallel the content encountered in the first two semesters of college Calculus, and should prove extremely valuable to students planning a career in engineering, the sciences, etc. (1 Credit) (Prerequisite: Pre-Calculus) (This course can be taken for college credit through the CAPP program of Lakeland College; 4 credits; CAL 221) (Laude Tier 1)

**A student is allowed up to one math credit for successfully completing the following career and technical education (CTE) courses:

Construction & Architecture: see Technical Education section for course description; .5 cr in math

Drafting & CAD II: see Technical Education section for course description; .5 math credit is earned upon a student completing this course and the prerequisite, Drafting & CAD.)

MUSIC

**Students interested in being involved in both band and choir; do have the option of participating in both on a daily rotational basis.

SENIOR BAND: (Year-Long Course) Study and application of musical styles and periods through performance skills. Yearly performances include: Veteran's Day Program, Homecoming Show; street marching; varsity basketball, football, volleyball, and wrestling games; Winter Concert; Pops Concert; Spring Concert; Graduation, Memorial Day Parade, and the opportunity to attend District Music Festival. Class meets daily. (1 credit) (Year 3 & 4 Laude Tier 2)

MIXED CHORUS: (Year-Long Course) Performing group of soprano, alto, tenor, and bass voicing. Required performances throughout the year include the Veteran's Day Program, Winter Concert, Cabaret, Spring Concert, Graduation, Memorial Day Parade, and the opportunity to attend the conference Solo-Ensemble Festival. Singing the National Anthem at athletic events is also an opportunity. Class meets daily. Honors Choir is available to a select number of students upon availability. (Open to grades 9, 10, 11, and 12) (1 credit) (Year 3 & 4 Laude Tier 2)

GENERAL MUSIC - PIANO: (Semester Course) Piano course offered 2nd semester every year. Class meets daily during the semester. Students will receive individual instruction and advance at their own pace. Instruction will include piano technique, theory, a variety of literature, and computer work in theory and music composition. Course is designed for music enjoyment through instruction. No public performance requirement. (Open to grades 9, 10, 11, and 12) (½ credit)

GENERAL MUSIC - GUITAR: (Semester Course) Guitar course offered 1st semester every year. Class meets daily during the semester. Students will receive individual instruction on their own guitars and advance at their own pace. Instruction will include chord progressions, reading musical notation, theory, a variety of literature, and computer work in theory and music composition. No public performance is required. Students must provide their own guitars. (Open to grades 9, 10, 11, and 12) (½ credit)

MUSIC THEORY: (Semester Course) This course presents the basic materials and structure of music including: elements of notation, clefs, key signatures, scales, intervals and their inversions, rhythmic patterns, transposition, meters, and basic chord structures. Sight reading and ear training correlated. (Taken as an independent study) (Open to grades 10, 11, & 12) (½ credit) (Laude Tier 2)

INDEPENDENT STUDY IN MUSIC: (Semester Course) This course is taken in conjunction with either Senior Band or Mixed Chorus. In order to enroll in Independent Study, students must have permission from their instructor. The objective is to allow advanced level students the opportunity to explore technique and develop proficiency in music under the guidance of a music faculty member. An independent study contract is required. May be repeated for credit. (Open to grades 10, 11, and 12) (½ credit)

PHYSICAL EDUCATION

PHYSICAL EDUCATION - 9: (Semester Course) Required of all freshmen students. Course emphasis is on team sports with lifetime sports being introduced. (½ credit)

PHYSICAL EDUCATION - 10: (Semester Course) Required of all sophomore students. Course emphasis will be a continuation of Physical Education 9 with more physical fitness requirements implemented. (½ credit)

PHYSICAL EDUCATION - 11/12: (Semester course) Required of all juniors. Students will continue to participate in team, individual and lifetime activities, but an emphasis of the class will be weight training and cardiovascular endurance improvement. (½ credit) (Seniors may also take this class as an elective credit.)

FITNESS FOR LIFE (TC): This is a college credit course through UW-Sheboygan. It will be of college rigor with increased expectations daily. A contemporary examination of the effects of lifestyle, wellness, and health promotion of the individual. Instruction in procedures for self-evaluation as well as individualization of exercise prescription for the development of fitness. Participation in a planned program of aerobic activity is required. (1/2 HS credit; 2 college credits; HES 127) (Open to Juniors and Seniors who have completed PE 9 & PE 10) (Laude Tier 1)

SCIENCE

GENERAL SCIENCE: (Year-Long Course) **Required of all 9th graders.** This is an introductory course in physical science. First semester focuses on the basics of chemistry. Second semester is mostly devoted to the basics of physics, but some time will also be spent on the topics of space and energy resources. Basic math skills will be required to have success in this class. A calculator is required. (1 credit)

BIOLOGY: (Year-Long Course) **Required of all 10th graders.** This course covers all aspects of living things including: chemistry of life, ecology, cells, energy transfers in cells, heredity, genetics,

DNA, evolution, classification, kingdoms of life, plants, human body, invertebrates, and vertebrates. There will be a moderate emphasis on lab work. (1 credit)

CHEMISTRY: (Year-Long Course) This course is open to 10th, 11th and 12th graders satisfying prerequisite criteria. This is an in-depth study of matter and its changes. Topics covered include: atomic structure, periodic properties, ionic and covalent compounds, the mole, chemical reactions, stoichiometry, energy in reactions, gases, solutions, acids and bases, and an introduction to organic chemistry. If time permits nuclear reactions will be explored. Algebra skills are essential for success in this class. A scientific or graphing calculator is required. Prerequisites: Students must have taken and received a “C” or better in General Science, Algebra, Biology*, and Advanced Algebra*. (*Concurrent enrollment is allowed) (1 credit) (Laude Tier 2)

PHYSICS: (Year-Long Course) This course is open to 11th and 12 graders satisfying prerequisite criteria. This course combines mathematics with scientific principles to examine: motion, forces, energy, electricity, and relativity. Students will need to have mastery of advanced algebra topics, and a comfort with trigonometry is helpful. This course is intended to prepare students for college science classes. Lab work including data acquisition and computer-based analysis is heavily emphasized. A graphing calculator is required. Prerequisites: Students must have taken and received a “C” or better in Biology, Advanced Algebra, and Pre-Calculus*. (* Concurrent enrollment is allowed) (1 credit) (Laude Tier 2)

AP/CAPP BIOLOGY (TC): (Yearlong Course) **(Starting the 2017-18 school year, this course will be offered every other year, alternating with AP Environmental Science.** It would be offered during the school years beginning with an **even** number.) This biology course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. Students will have the option of registering to take this class as college credit course through Lakeland College (4 cr.) or after completion of this course students will have the opportunity to take the AP Biology Exam that could exempt them from taking their first year college biology class or register for courses for which biology is a prerequisite. Other students may have fulfilled a basic requirement for a laboratory-science course and will be able to undertake other courses to pursue their majors. This course will cover molecules and cells (25%), heredity and evolution (25%), and organisms and populations (50%). This will be an extremely demanding course with a heavy emphasis on lab work. Expect to spend a minimum of 5 hours/week outside of class working on this class. Prerequisite: Chemistry (1 credit) (BIO 111; 4 Lakeland College Credits or possible AP credits) (Laude Tier 1)

AP ENVIRONMENTAL SCIENCE: (Yearlong Course) **(Starting the 2017-18 school year, this course will be offered every other year, alternating with AP Advanced Biology.** It would be offered during the school years beginning with an **odd** number.) This course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand

the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. There will be extensive lab (indoor) and field (outdoor) work in this course. Prerequisite: Chemistry (1 credit) (Possible AP credits) (Laude Tier 1)

HORTICULTURE (TC): (Year-Long /Semester Course) This course will focus on the following areas of Horticulture: the horticulture industry including raising fruits, vegetables, ornamental plants and trees; history of the industry and current trends; importance of horticulture; careers in horticulture; groups of plants and their uses; plant parts, functions, reproduction and processes; soil types and effects on plants; plant diseases and pests; plant health care; and management strategies for horticulture crops. Students will transplant seedlings and care for plants in the greenhouse. Students who complete this course (year-long) will receive 3 college credits through LTC. (Open to grades 10, 11, and 12.) (.5 – 1.0 credit) *This course would be required of students entering the YA Golf Management Program. **This description can also be found in the agriculture section. (Laude Tier 2)

WILDLIFE AND NATURAL RESOURCES: (Semester Course) This course will cover a variety of topics related to wildlife and our natural resources. Topics include the history of conservation, conservation practices, soil types and soil erosion, water usage and water pollution, forest industry and products, woodland management, fish and wildlife management, outdoor recreation, and careers in wildlife and natural resources. This class includes a winter ecology or fishing field trip. (Open to grades 9, 10, 11, and 12) (½ credit) **This description can also be found in the agriculture section.

LARGE ANIMAL SCIENCE: (Semester Course) Students will learn about dairy cattle, beef cattle, horses, pigs, sheep, goats and poultry. Topics related to each animal includes breeds, body systems, nutrition, reproduction and breeding, health and diseases, behavior and facilities. It is recommended to take Animals, Plants and Pizza prior to taking this class, but it is not required. (Open to grade 9,10, 11, and 12) (½ credit) **This description can also be found in the agriculture section.

SOCIAL STUDIES

WORLD HISTORY: (Year-long Course) A study of ancient civilizations starting with the Middle East and continuing through Egypt, Greece, Rome, India, Maya, Aztecs, Inca, African Kingdoms, China, Rise of Islam, and Early European History. The class will explore how these civilizations developed, their importance to human history, how geography had an impact on the development of civilization, and what contribution they made to the development of civilization as we know it. This is a required course that **must** be taken during the freshmen or sophomore year. (1 credit)

U.S. HISTORY: (Required ONE-YEAR course that must be taken during the sophomore year.)

This course will present to the students a chronological history of the United States from the period of Reconstruction to the present. Students can expect to engage in primary source analysis, projects,

economic view of history, and the influence of geography. (1 credit)

**SOCIAL STUDIES/SOCIAL SCIENCES ELECTIVES: JUNIORS AND SENIORS ONLY
STUDENTS MUST COMPLETE AT LEAST ONE ADDITIONAL SOCIAL STUDIES CREDIT FROM
THE FOLLOWING OPTIONS:**

AMERICA IN THE 1960'S: (Semester Course, offered only in school years beginning with **odd** numbers) An in-depth look at the U.S. History in the 1960's. Closer examination of the following topics: John F Kennedy, Johnson Administration and The Great Society, Vietnam, Civil Rights Movement, Women's Rights Movement, Hippie Movement, Space Race. (1/2 credit)

CONTEMPORARY EUROPEAN HISTORY: (Semester Course, offered only in school years beginning with **odd** numbers) This semester course will study the history of Europe from the Napoleonic Age to the Pre-World War II Europe. The students will develop an understanding of the people, conflicts, ideas, and the influence of geography, and institutions that shaped recent European History. (½ credit)

CURRENT DOMESTIC ISSUES: (Semester Course, offered only in school years beginning with **even** numbers) This semester course deals with domestic issues facing the United States. The students will develop an understanding of how these domestic and social policies are generated and how they impact our lives. The student must be willing to get involved verbally with active debate; participation is essential for this class. (1/2 credit)

CURRENT FOREIGN POLICY ISSUES: (Semester Course, offered only in school years beginning with **even** numbers) This semester course deals with Foreign Policy Issues and the role of the United States on the world stage. Students will develop an understanding of the cultural, political, and geographical complexities of foreign policy and the relationships these policies create. The student must be willing to get involved verbally with active debate; participation is essential for this class. (1/2 credit)

HIS 102: History of the United States from the Era of the Civil War to the Present (TC): (UW-Sheboygan 3 credit college course) (Semester Course, offered only in school years beginning with **odd** numbers) This course is a broad survey of American History from the era of the American Civil War to the present. The focus will be on the political, social, economic, and intellectual debate that shaped American History. Goal of this class is to expand historical knowledge and teach students to think historically. In addition to the required text, each student will be required to complete a book review on a historical novel. This course will be taught on a college level with all the same expectations of a college freshman student. Students must pay a tuition fee and earn a C in the class to receive the 3 credits. (1/2 HS credit) (Recommended 3.0 GPA min. in SS courses or Teacher/Administration approval.) (Laude Tier 1)

HIS 101: History of the United States – From the Era of the Columbian Exchange to the Era of the Civil War (TC): (UW-Sheboygan 3 credit college course) (Semester Course, offered only in school years beginning with **even** numbers) A survey of American political economic social and intellectual history from the Age of European Exploration and the period of colonization to the era of the American Civil War. As an Ethnic Studies (ES) course this course thoroughly integrates the experiences of African Americans, Native Americans, Hispanics, and/or Asian Americans into US history in a manner that fosters understanding and appreciation of the perspectives and experiences of at least two of these groups, as well as their contributions to and interactions within American society. This course will be taught on a college level with all the same expectations of a college freshman student. Students must pay a tuition fee and earn a C in the class to receive the 3 credits. (1/2 HS credit) (Recommended 3.0 GPA min. in SS courses or Teacher/Administration approval.) (Laude Tier 1)

INTRODUCTION TO SOCIOLOGY (TC): (Semester Course, offered only in school years beginning with **odd** numbers) This course will study human interaction in society. Students will develop an understanding of how people perceive, think, and why they behave the way they do. Exploration of human welfare, patterns of behavior, social conflict, and social change will also be addressed. These classes are recommended for the college bound senior. This course will require the student to exercise academic responsibility much like a college course would require. Students must be willing to get involved verbally with active debate. (1/2 credit)(This course can be taken as a CAPP/College Credit course through Lakeland College for 3 college credits; SOC 100) (Recommended 3.0 GPA min. in SS courses or Teacher/Administration approval.) (Laude Tier 1)

GENERAL PSYCHOLOGY (TC): (Semester Course, offered only in school years beginning with **even** numbers) This course will study the individual. Through both classes, students will develop an understanding of how people perceive, think, and why they behave the way they do. Exploration of human welfare, patterns of behavior, social conflict, and social change will also be addressed. Students must also be willing to get involved verbally with active debate. (1/2 credit)(This course can be taken as a CAPP/College Credit course through Lakeland College for 3 college credits; PSY 200) (Recommended 3.0 GPA min. in SS courses or Teacher/Administration approval.) (Laude Tier 1)

TECHNOLOGY EDUCATION

Introduction to Technology: Intro to Tech is a project based class that provides students the opportunity to sample various areas of study in the ELGS Technology Education program. Students will complete projects in the areas of woodworking, metalworking, plastics, small engines, computer aided design, and engineering. This class will develop understanding of everyday technologies making students more knowledgeable members of a technological society. Intro to Tech is a hands-on course designed for all students interested in exploring career opportunities in technology.

Credits: 1/2

Recommended Grade Level: 9, 10, 11, 12

Length of Course: 1 semester

Prerequisite: None

Computer Applications I (AS): (Semester Course) This course provides the opportunity for students to learn various computer applications using a PC based platform. Students will be introduced to the Microsoft Office Suite® through the production of documents, using Word; spreadsheets, using Excel; database, using Access; and presentations, using Power Point. (Open to grades 9, 10, 11, and 12) (½ credit) (Laude Tier 2)

Computer Applications II / (Graphic Communications): (Semester Course) This course provides an opportunity for students to enhance their PC based computer skills through the exploration of Graphic Design and the use of Microsoft Office Suite®. Students will complete digital print production, web design, and video production projects using Adobe Photoshop, Adobe Illustrator, Microsoft Publisher, Adobe Premiere, and JavaScript. Projects include photo editing, posters, book jackets, CD covers, website development, movie trailers, commercials, news casts, and cell phone app creation. This course is recommended for any students considering a career in graphic communications or a career using Microsoft Office Suite® (Open to grades 9, 10, 11, and 12) (Prerequisite: Computer Applications I) (½ credit)

Drafting and CAD (AS): CAD (computer aided design) and drafting is the language of today's engineers and designers. This course explores and prepares students to develop ideas using mechanical instruments as well as CAD software. Students will learn to accurately produce various styles of drawings including perspective, oblique, isometric, and orthographic projection. Beyond this, modern CAD software allows for truly amazing 3D digital representation of nearly any object or device. Students will create digital models and learn to use them in assembly files and animations which replicate the functions and movements of a mechanical device. This course is developed for all students. It is especially useful to students who may pursue a career in engineering, design, or manufacturing. This course is also an excellent stepping stone to all other technology courses, particularly Design and Engineering.

Credits: ½ (Laude Tier 2)

Recommended Grade Level: 9, 10, 11, 12

Length of Course: 1 semester

Prerequisite: None

Drafting and CAD II: This course provides students who are seriously considering a career using Drafting and CAD software an opportunity to explore advanced Drafting and CAD processes used at post-secondary institutes and industries around the world. Students will learn to accurately produce complex isometric, orthographic projection, 3D part, 3D assembly, and 3D animation files using AutoCAD and Autodesk Inventor Software. This course is intended for students who have completed the Drafting and CAD course and desire to further their CAD education. Students will be expected to research, design projects, work independently, and most importantly problem solve.

Credits: ½ (Laude Tier 2)

Recommended Grade Level: 10, 11, 12

Length of Course: 1 semester

Prerequisite: Drafting and CAD

Woodworking Production and Design: (Formerly Woodworking Techniques and Enterprise Practicum) Woodworking Production and Design is an intro-level course developed to teach students modern woodworking production and design techniques. Students develop skills including plan reading, material layout, machine operation, complex joinery, advanced finishing, and quality control. Several required projects will be completed, and students are given the opportunity to design and fabricate individual wood projects based on student interest or need. This course is designed for all students interested in learning various woodworking processes.

Credits: ½

Recommended Grade Level: 9, 10, 11, 12

Length of Course: 1 semester

Prerequisite: None

Advanced Woodworking: Advanced Woodworking is a course created to develop student's woodworking skills beyond Woodworking Production and Design. Students will use plan reading and development, material layout, machine operation, complex joinery, advanced finishing, and quality control skills to develop independently designed projects. This course is intended for students passionate about woodworking who are able to research, design projects, adapt production techniques, work independently, and problem solve.

Credits: ½

Recommended Grade Level: 10, 11, 12

Length of Course: 1 semester

Prerequisite: Woodworking Production and Design

Construction & Architecture: This course is an in-depth and comprehensive look at the residential and commercial construction industry. This course begins with a look at building design and floor plan layout. Students will design practical and efficient home floor plans using modern architectural standards. Students then use 3D modeling software to create digital representations of their building designs. A scale model of student designs will also be constructed.

Following the architectural portion of the class, a 4'x6' house mock-up will also be constructed. Students will learn through hands-on activities about foundation systems, laying concrete block, flooring systems, wall framing, electrical, plumbing, drywall, finish carpentry, and roofing.

Credits: ½ (may fulfill .5 credit in math)

Recommended Grade Level: 9, 10, 11, 12

Length of Course: 1 semester

Prerequisite: None

Architecture: Architecture is a course designed for students interested in pursuing an education in residential and commercial building design. Students will gain understanding of residential and commercial planning through hands-on activities using Revit Architecture Software. Projects include, but are not limited to, home design, commercial building design (public and business), city planning, utility planning, alternative energy systems, and physical modeling. This course runs simultaneously with Architecture and Construction or Drafting and CAD. It is best suited for students who are creative, self-motivated, and capable of learning independently.

Credits: ½

Recommended Grade Level: 10, 11, 12

Length of Course: 1 semester

Prerequisite: None

Metals and Machining: This is an exploratory course into the world of metal fabrication. Students will learn sheet metal, welding (oxy/acetylene, SMAW, MIG, TIG), and metal machining. Within these areas students will learn proper safety and use of machines and tools used in metalworking. Students will also learn techniques in precision measurement, plan reading, problem solving, design, and careers available in metalworking. A number and variety of projects will be constructed as a platform for students to learn the metal production skills taught in this class.

Credits: ½

Recommended Grade Level: 9, 10, 11, 12

Length of Course: 1 semester

Prerequisite: None

Advanced Metals and Machining (AS): Students who wish to continue in metal fabrication and machining will be able to refine their skills in Advanced Metals and Machining. Several upper level welding and machining projects will be completed during this course. Additionally, larger individual or partner projects can be completed in a self-paced setting. Examples of student designed projects include engine hoists, log splitters, tool boxes, trailers, go-carts, tree stands, etc. This class is developed specifically for students who wish to use their metal working knowledge and skills to produce metal products based on their personal need or design. ** Due to the size and cost of many student projects, much of the cost of materials for personal projects must be covered by the student.

Credits: ½ (Laude Tier 2)

Recommended Grade Level: 10, 11, 12

Length of Course: 1 semester

Prerequisite: Metals and Machining

Electricity/Electronics (AS): Electricity/Electronic is a hands-on, project based look at modern electronic technology. This course is developed to educate students about the use of modern

electronic devices and their role in societies past, present, and future. Topics covered include electrical theory, AC and DC circuits, alternative electrical energy generation, electronic components, computer programming, video game development, and robotics. Students will learn to read schematics to assemble circuits using modern electronic devices such as transistors, integrated circuits, and photo cells. Students will also learn and experience computer programming through digital animation production and video game development. Finally, students will use their understanding of electronics and programming to construct and program robots to perform various tasks and challenges.

Credits: ½ (Laude Tier 2)

Recommended Grade Level: 9, 10, 11, 12

Length of Course: 1 semester

Prerequisite: None

Advanced Electricity and Electronics: This advanced course was created to extend the learning opportunities for students in the areas of robotics and video game design. Students will be expected to design and produce complex functional video games and robotic systems. Students will use advanced sensors and components as well as digital modeling software to complete given and student-developed robotic challenges. Students will also use video game software to develop interactive games. This course runs simultaneously with the electricity and electronics course. It is best suited for students who are creative, self-motivated, and capable of learning independently.

Credits: ½

Recommended Grade Level: 10, 11, 12

Length of course: 1 semester

Prerequisite: Electricity and Electronics

Design and Engineering: This course is a fun, high intensity class that applies the principles of design, engineering, and manufacturing. The class includes many hands-on real life projects. Students will gain an understanding of systems, resources, problem solving, 3D modeling, prototype fabrication, reverse engineering, and product development. Design and Engineering also provides many unique project opportunities. Design challenges include structure completions, Rube Goldberg devices, and mouse trap contraptions. Students also take part in an Electrathon competition and Project Grill. Electrathon includes the design and fabrication of a full scale electric vehicle. Students construct the vehicle and compete against other high school engineer teams from around the state. Project Grill pairs Sheboygan County businesses with area schools to design and fabricate theme grills for sponsoring businesses. It is recommended that students have completed drafting or metal fabrication prior to enrolling in this course. This class is for enthusiastic students who want to design and build complex projects in a real world setting, especially those interested in careers related to design, engineering, or manufacturing.

Credits: 1 (Laude Tier 2)

Recommended Grade Level: 10, 11, 12

Length of Course: 1 year

Prerequisite: Intro to Tech, Drafting, Metals, or Instructor Approval

Technology Education Independent Study: This class is offered to students who have completed many of the Tech Ed courses, but still wish to continue working in the technology lab setting. Students are given the opportunity to work as lab assistants who work primarily on independently designed projects while also working with other students and completing projects to enhance the Tech Ed department. Students must apply with the Tech Ed department and be prepared to list ideas of projects they wish to complete. Grades for independent study are based on achievement of goals set by the student and the instructor prior to the beginning of class.

Credits: ½ -1

Recommended Grade Level: 11, 12

Length of Course: 1 semester or 1 year Prerequisite: Students must complete all course related to the area in which they wish to have an independent study. Students must also have signed instructor and parent permission to participate in an independent study.

POTENTIAL DISTANCE LEARNING COURSES

NOTE: The Elkhart Lake-Glenbeulah (EL-G) School District will pay the course fee before the course begins and there will be no cost to the student/family unless the student fails or fails to complete the course. In the event that the student does not complete the course or fails the course, the student/family will be responsible for reimbursing the EL-G School District for the full cost of the course. DISTANCE LEARNING COURSES ARE OFFERED FOR STUDENTS IN GOOD STANDING IN GRADES 11 AND 12 OR WITH ADMINISTRATION APPROVAL.

Please note that courses are subject to change at any time. The following are potential courses:

ECONOMICS: (Semester Course) In this semester course students examine current issues facing our economy and the historical background and theory behind these issues. Our national economy is the primary focus, but other world economic issues and concepts will be explored. Topics students will learn about will include: supply and demand, banking, government involvement in the economy, the money supply, interest rates, taxes, the stock market, inflation, unemployment and the Federal Reserve System. Students will use current information, events, and a variety of sources to better understand and make decisions in our economy. (½ credit)

ANATOMY/STRUCTURE-FUNCTION: (Semester Course) Examines basic concept of human anatomy and physiology as they relate to health sciences. Using a body systems approach, the course emphasizes the interrelationships between structure and function at the gross and microscopic levels of organization of the entire human body. It is intended to prepare healthcare professionals who need to apply basic concepts of whole body anatomy and physiology to informed decision-making and professional communication with colleagues and patients. (½ credit; 2 or 3 college credits) (Meets 4 days per week)

DEAF COMMUNICATION: (Semester Course) This semester course works with relating to the deaf culture including non-manual grammatical markers, signing, fingerspelling, classifying, and

technology related to deafness. (½ credit, 3 college credits) (Meets 3 days per week)

DEAF COMMUNICATION 2: (Semester course) A more in depth study relating to Deaf culture including non-manual grammatical markers, signing, fingerspelling, classifying and the technology related to deafness. (½ credit; 3 college credits) (Meets 3 days per week)

MEDICAL TERMINOLOGY: (Semester Course) This course focuses on the component parts of medical terms. Prefixes, suffixes, and root words. Students practice formation, analysis and reconstruction of terms. There will be an emphasis on spelling, definition and pronunciation. Introduction to operative, diagnostic, therapeutic and symptomatic terminology of all body systems, as well as, systemic and surgical terminology will be discussed. (½ credit; 3 college credits) (Meets 3 days per week)

EXPLORING CRIMINAL JUSTICE: (Semester course) This course explores criminal justice, crime picture, theories of crime, history of policing, police management, courts, corrections, correction facilities and career opportunities. (.75 credit; 3 college credits; Meets 3 days per week)

We also have the option of offering **on-line classes** to our students. This option is appropriate for some students based on their individual learning style and needs. Please contact the high school counselor to verify the course availability list.

NOTE: The Elkhart Lake-Glenbeulah (EL-G) School District will pay the course fee before the course begins and there will be no cost to the student/family unless the student fails or fails to complete the course. In the event that the student does not complete the course or fails the course, the student/family will be responsible for reimbursing the EL-G School District for the full cost of the course.

***Students will have access to their course at the high school, however, it is **highly recommended** that they also have access, and any additional software needed, from a home computer to be able to access their class at all time.

ON-LINE COURSE OFFERINGS, including online AP courses, change often. Please visit this website to see a list of the current online classes: <http://www.cesa7.org/content/newon/course-offerings/>. Click on any of the High School course offerings topics to see the course titles and descriptions.

****Laude program note:** Any DL or online course that is a transcribed credit or advanced standing course, will be awarded laude points – transcribed courses are tier 1 or 1 laude point/semester and advanced standing courses are tier 2 or .5 laude point/semester.

Youth Options/Course Options:

Students interested in taking college courses through Youth Options need to submit the required paperwork to the counseling office by Oct. 1st for spring semester courses and Mar. 1st for fall semester courses. Course Options paperwork must be submitted to the appropriate college by the student/family a minimum of 6 weeks before the start of the course. Student/parent may be required to reimburse the school district for tuition, fees, book and material costs if the student fails or fails to complete a course.

INDEPENDENT STUDIES AND/OR GIFTED/TALENTED (G/T): (One or Two-Semester

Course) This course is open to those students who have previously been informed that they meet the EL-G District G/T guidelines. The course offers qualified students the opportunity to explore a topic of interest with the assistance of a high school faculty member. Students interested in this opportunity should speak with the school counselor to find out more.

YOUTH APPRENTICESHIP: A 1-year or 2-year program integrates high school, technical college and work-based learning. Participation in this program will require the student to maintain a part-time high school program, a part-time technical college program, and a part-time job with a sponsoring employer. Students who successfully complete this program will be awarded a Wisconsin certificate of occupational proficiency, high school credits and technical college credits. All junior and senior students are encouraged to consider applying for a youth apprenticeship. Students must complete a YA application by the end of February. More information and the YA applications are available at <http://www.gotoltc.edu/future-students/high-school/ya/>. 1 credit is earned per semester for the YA program.

Current Youth Apprenticeship (YA) areas may include:

Manufacturing: Quality Assurance/Quality Control, Industrial Maintenance, CNC Operators, Welding, Machining, Assembly
Finance: Banking, Accounting
Hospitality & Culinary: Facilities Management, Housekeeping/Front Desk Receptionist, Golf Management, Culinary
Health Care: Dietary Aide, Nursing Assistant, Medical Office
Agriculture: Farming, Crops/Landscaping
STEM - Science, Technology, Engineering & Math: Bioscience Lab Technician, Engineering
Architecture & Construction: Construction, Electrician, Architecture
Transportation/Distribution: Automotive Technician, Supply-Chain Management
Information Technology: Web & Digital Media, IT Essentials
Graphic Design/Pre-Press

** Students interested in completing an apprenticeship program in other areas should contact the school counselor to discuss this. They should also be sure to complete the YA application by the February deadline.

*** Students enrolled in the program must complete 450 work hours and must be enrolled in a college-level, or otherwise approved, relevant course. If a textbook is needed for the relevant course, the cost of the book would be the responsibility of the student/family.

AVIATION - Students with an interest in aviation, or learning to fly, should see Mrs. Bunyea. There are classes held at Lakeland College that can be taken by students with this interest.

Laude Recognition Bands

The ranges for the recognition bands beginning with the class of 2017:

Cum Laude - 7 to 10 points

Magna Cum Laude - 11 to 14 points
Summa Cum Laude - Greater than 15 points

A **G.P.A. of 3.25** is needed in order for a student to be recognized in the laude system.

Laude System Tiers

Laude Tier 1 1.0 pt/sem	Accreditation Process	Laude Tier 2 .5 pt/sem	Accreditation Process
ELA-English CC	Transcribed Credit	European Literature	Teacher Chosen
		Creative Writing	Teacher Chosen
Math-Calculus	Transcribed Credit		
Pre-Calculus	Transcribed Credit		
Agriculture-Horticulture	Transcribed Credit		
Physical Education-Fitness for Life	Transcribed Credit		
Science-AP/CAPP Biology	College Board (Audit)	Physics	Teacher Chosen
AP Environmental Science	College Board (Audit)	Chemistry	Teacher Chosen
Social Sc./History-Intro to Sociology	Transcribed Credit		
General Psychology	Transcribed Credit		
US History 101	Transcribed Credit		
US History 102	Transcribed Credit		
Family Consumer Science-Leadership & Professionalism	Transcribed Credit	Culinary Arts III	Advanced Standing *If ServSafe certification test is passed, class will be transcribed & considered tier 1.
Customer Serv Tech.	Transcribed Credit	Culinary Arts V	Advanced Standing
Art		Art IV/V	Teacher Chosen
Tech. Education		Drafting/CAD	Advanced Standing
		Drafting/CAD II	Teacher Chosen
		Computer Applications I	Advanced Standing
		Design and Engineering	Teacher Chosen
		Electricity/Electronics	Advanced Standing
		Advanced Metals	Advanced Standing
Chorus		Chorus (3 rd /4 th Year)	Teacher Chosen

Band		Band (3 rd /4 th Year)	Teacher Chosen
		Music Theory	Teacher Chosen
Foreign Language- Spanish		Spanish III/IV	Teacher Chosen
French		French III/IV	Teacher Chosen
Youth Apprenticeship		YA work program	Committee Chosen

***Distance Learning/Online classes** that are transcribed credits would be added to the already approved class list for 1 point per semester class. Distance Learning/Online classes that are advanced standing would be added to the already approved class list for .5 point per semester class.

****Youth Option, course option, or youth apprenticeship classes** that are transcribed credits would be added to the already approved class list for 1 point per semester class.

*****Youth Apprenticeship Coursework:** A student's relevant class is included in the laude table or the notation above. A YA student's work program will be listed separately and will be awarded laude points as indicated in the chart.

Rationale-Each tier 1 course would give a student 1 laude point per semester. The tier 1 courses have been articulated or audited by local technical colleges, universities, colleges, or the advanced placement college board. Each tier 2 course would give a student .5 laude points per semester. The advanced standing courses have been articulated through the local technical college. The teacher chosen courses are courses instructors feel are both challenging and program completion courses in the high school setting.

Faculty Member's Educational Paths

Mrs. Michelle Arbuckle: Agriculture Teacher

University of Wisconsin-River Falls
Bachelor of Science Degree in Agriculture Education

University of Wisconsin-Sheboygan
Attended Summer Classes
University of Wisconsin-Green Bay and Cardinal Stritch University
Attended Classes

Mrs. Amanda Baxter: Mathematics/General Science Teacher

University of Wisconsin – Oshkosh
Bachelor of Science Degree in Mathematics Education
Currently working on completing a chemistry certification

Dr. Ann Buechel-Haack: District Administrator

Marian University
PhD in Educational Administration
Masters Degree in Educational Leadership
Licensures for Director of Pupil Services, School Business Administration, Director of Instruction, Superintendent, Principal

UW-Oshkosh
Masters Degree in Special Education/Learning Disabilities K-12
Bachelor of Science Degree in Elementary/Middle School Education 1-8/Learning Disabilities

Mrs. Melanie Bunyea: Guidance Counselor

Lakeland College
Masters of Arts Degree in Counseling – School emphasis

Mount Mary College
Bachelor of Arts Degree in Behavioral Science-emphasis in Psychology
Minor in Communications

Mrs. Leslie Corbin: Spanish Teacher

Silver Lake College, Licensure Program
University of Wisconsin Oshkosh
Bachelor of Science in Education - French
Certified in French and Spanish Education (Pre-K-12)

Mrs. Marlyne Coulter: Special Education Teacher

Cardinal Stritch University

Working towards a Masters Degree in Reading and Learning Disabilities

Eastern Illinois University

Bachelor of Science Degree in Regular Education, Learning Disabilities,
and Social and Emotional Disabilities

Marian University and University of Wisconsin Green Bay

Completed Continuing Education Classes

Mr. Jim DeVries: Social Science and History Teacher

Cardinal Stritch University

Masters of Arts in History, June 2006

Phi Alpha Theta

National History Honor Society, June 2006

University of Wisconsin-Stevens Point

Bachelors of Science Degree in Broadfield Social Studies/ History Education 7-12, June 1989

Continuing Education in History:

Marquette University 1990 and University of Wisconsin-Milwaukee 1991

Continuing Education in Education:

Marion College 1999-2000

Mr. Ryan Faris: High School Principal

Marian University

Masters in Educational Leadership

Principal Licensure

University of Wisconsin Oshkosh

Bachelors of Science – Broadfield Science, Minor in History

Ms. Janice Hannon: Art Teacher

University of Wisconsin - Oshkosh

Bachelor of Science in Art

Minor in Spanish

Spanish Immersion (1 month), Costa Rica, July 2013

Graduate watercolor classes, Central Michigan University

Art Therapy Program, Marian College, Fond Du Lac, WI

Ms. Holly Helmer: Vocal Music Teacher

Lakeland College

Bachelors of Arts Degree in Music Education

Certified in Vocal (Birth – 21) & General Music (Birth – 18)

Certified in Theatre & Dance

Mr. Bart Larson: Physical Education Teacher

University of Wisconsin-LaCrosse

Masters Degree in Physical Education

University of Wisconsin-Oshkosh

Bachelor of Science Degree in Physical Education

University of Wisconsin-Stevens Point

Adaptive P.E. Certification

Mrs. Lei Lund: English Teacher

Marian College

Master of Arts in Education Degree

Lakeland College

Bachelor of Arts Degree in Secondary English Education

Awards Earned: Graduated Magna Cum Laude, Kohl Fellowship Recipient,
Milwaukee School of Engineering “Excellence in Teaching” Award,
Who’s Who Among American Teachers, ATODA Group Facilitator

Mr. Ken Loest: Math Teacher

University of Wisconsin – Oshkosh
Bachelor of Science Degree in Math Education
Masters in Science Teaching

Mr. Travis Moore: Science Teacher

University of Wisconsin – Eau Claire
Secondary Education Certification (2003)

University of Minnesota – Twin Cities
Bachelor of Science Degree in Biology (2001)
Western Governors University
Master of Arts in Science Education - Biology emphasis (2013)

Mr. John Ostermann: Technical Education Teacher

University of Wisconsin – Stout
Bachelor of Science Degree in Technology Education

Mrs. Beth Roehl: Family & Consumer Science Teacher

University of Wisconsin - Stevens Point
Family and Consumer Education Certification

Marquette University
Bachelor of Arts in International Relations & Political Science
Minor in German and History

10+ years Business and Management Experience

Family and Consumer Sciences Food Service License

Family and Community Services License

Home Economics Related Occupations (HERO) License

National Restaurant Association Educational Foundation Certified Secondary Foodservice Educator

National Restaurant Association Certified ServSafe Educator and Proctor

Technical College System Board Certification for Customer Service, Marketing and Merchandising Management

Ms. Jodi Voss: Instrumental Music Teacher

Lakeland College
Bachelor of Arts Degrees in Instrumental Music and Biology

Awards Earned: Richard G. Gardner Music Award awarded by Wisconsin Music Association, Who's Who Among American Teachers, ELG Making a Difference Award

Mr. Nikolai Yasko: English Teacher

University of Minnesota – Twin Cities
Bachelor of Arts Degree in English

University of Wisconsin – Whitewater
Masters in Curriculum and Instruction