

Sparta High School

Course Handbook

2017-2018

www.spartan.org



REGISTRATION AND SCHEDULING PROCESS

Selecting courses and fulfilling graduation requirements involves many choices and decisions. Students are responsible for making these choices and for the consequences and outcomes of their choices. **This decision-making in fact is a part of the educational process.** The school assists the student in the process of course selection in a number of ways. This catalog outlines the process of course selection, course descriptions, graduation requirements, services offered and course preparation for post high school. It is important that all of these sections are read carefully and any questions directed to school counselors or staff members. The process of registration and scheduling affords the student many opportunities to consult with parents, school counselors and staff members. The process is described as follows:

Information Distribution—Catalogs and course sign-up sheets are distributed at the start of second semester. School counselors go through the catalog and emphasize the major areas of concern that students may have regarding graduation requirements, course descriptions, and post high school planning. At this time questions should be asked and appointments made to see your school counselor.

Registration and Scheduling - About one week after the course information is distributed students are asked to make a decision in reference to the courses they want for the next school year. After all course requests have been tabulated, the number of sections and teachers needed are determined. Any change will be based on improving availability for student requests. **Some courses may be canceled due to lack of enrollment. If this is the case, a student's back up class will be selected. It is important to choose your courses carefully.**

DEFINITION OF TERMS

Course Options-A program that allows students to take 2 courses at a time, at a college or public institution i.e. another school district. For more information visit <http://courseoptions.dpi.wi.gov>

Youth Options—A program that allows public high school juniors and seniors who meet certain requirements to take post-secondary courses at a Wisconsin Technical College or Institution of high education. For more information visit <http://youthoptions.dpi.wi.gov/>

Technology Emphasis Courses – Students must earn a minimum of 4 Technology Based credits to graduate. Students are responsible for registering for necessary Technology Based courses and are encouraged to meet with their counselor regarding the available courses and credits.

BASIC INFORMATION FOR COURSE REGISTRATION

A considerable amount of time, effort, and planning goes into the preparation of our master schedule and individual student programs. Students, with the help of parents and counselors, should carefully plan their course of study. The dropping and adding of courses will only be allowed in those cases where an irresolvable conflict makes it necessary, a course which the student has signed up for is dropped and a replacement is therefore needed, or changes deemed necessary by the instructor, school counselor and principal. The course description book and other information regarding courses are available on the school's website www.spartan.org.

All students must carry a minimum of fourteen credits per year. A minimum of seven credits must be taken per semester.

Required courses and basic requirements for graduation:

- 16 elective credits minimum
- 8 credits of English
- 7 credits of Social Studies
- 6 credits of Mathematics
- 6 credits of Science
- 3 credits of Physical Education
- 1 credit of Health
- 1 credit of Economics
- 48 credits for graduation
- *Completion of Citizenship Test

Students planning to further their education beyond high school must assume responsibility for meeting entrance requirements for the institutions being considered. It is wise to check these requirements periodically with your school counselor and college of choice to make sure you have the required credits for graduation and post-secondary plans. **Remember to see your counselor for up-to-date information and requirements of any university or technical college you are thinking of attending.**

*****All freshmen, sophomores, and juniors taking required courses are on pace to attend a four-year university or college. Students are responsible for registering for any electives required by a specific university or college. It is very important that students planning to go to college maintain good grades throughout high school.*

SPARTA HIGH SCHOOL ACADEMIC PLAN

The four-year plan is intended to help students and parents plan out their future in high school. Planning for the future provides a vision of education and career plans. Please read through the course description booklet, find what options are best for you.

- * Students must take between a minimum of 14 credits per year and a maximum of 16 credits per year
- * All freshmen are required to take a study hall 1st and 2nd semester. The only exception will be if a student is taking all three of the following classes: band, choir and a world language
- * Completion of Citizenship Test
- * 48 credits is a baseline minimum, most students graduate with 55-60 credits!
- * Always be aware of your GPA, CLASS RANK, and ACTIVITIES!

REQUIRED

ELECTIVES

GRADE 9

2 credits Freshman English
2 credits Math (Algebra)
2 credits Science (Biology)
1 credit Social Studies (World Geography)
1 credit Physical Education 1
1 credit Health

5- 6 Elective credits

GRADE 10

2 credits Sophomore English
2 credits Math (Geometry)
2 credits Science (Chemistry)
2 credits Social Studies (World Civilization)
1 credit Physical Education

5 -7 Elective credits

GRADE 11

2 credits Junior English
2 credits Math (Algebra II)
2 credits Science (Physics)
2 credits Social Studies (US History)
1 credit Physical Education
1 credit Economics
*Completion of Citizenship Test

4- 6 Elective credits

GRADE 12

2 credits English
2 credits Social Studies (Government and 1 Elective)

10- 12 Elective credits

Four Year College requirements for the University of Wisconsin System:

English: 4 years required

Math: 3 years required (through Algebra II) (4 years recommended)

Science: 3 years required (4 years recommended)

Social Studies: 3-4 years required

Electives: chosen from above areas, fine arts, computer science, and other academic or vocational areas

World Language: UW- Madison and University of Minnesota require 2 years for admission

The majority of colleges do not require a World Language to be admitted, however, the typical 4 year applicant has at least two years of the same World Language. Students may be required to take a world language as part of general education requirements at the college level. If you intend to enroll in a four-year university, it is in your best interest to take a world language and it is considered a strong elective choice.

NOTE: Use the course keys listed in the left hand column to assist with online course registration

AGRICULTURE & NATURAL RESOURCES (pg. 10)

AGINTR	Introduction to Agriscience
AGFISH	Fish and Wildlife Management
AGPLAN	Plants and Landscapes
AGANI1	Animal Health
AGSMAL	Small Animal Veterinarian Science
AGWILD	Wildlife Management
AGGREE	Greenhouse Management
AGLRG	Large Animal Science
AGBUS	Agribusiness Leadership Development
AGFOOD	Ag Foods Processing
AGCOOP	Work Based Learning

ART (pg.13)

ATHREE	Three-Dimensional Design
ATWO	Two-Dimensional Design
APOTT1	Pottery I
APOTT2	Pottery II
APOTT3	Pottery III
ARDRW1	Drawing I
ARDRW2	Drawing II
APAINT	Painting
ARDESI	Graphic Design
ASCUL	Sculpture
APRINT	Printmaking
APHOTO	Digital Photography
AMETJ	Jewelry/Art Metal
ARTAP	Studio Art

BUSINESS & INFORMATION TECHNOLOGY and MARKETING (pg. 16)

BISOFT	Intro to Software Applications
BTECH	Emerging Technology
BINTRO	Intro to Business
BISOFT	Software Applications for Business
BPFINA	Personal Finance (Also Available Online)
BACCT1	Accounting I
12104G	Accounting II
BDESK1	Desktop Publishing I
BDESK2	Desktop Publishing II
BYRBK	Yearbook
BMARKI	Principles of Marketing
BADVMA	Advanced Marketing
BSPORT	Sports and Entertainment Marketing
BMARKM	Marketing Management & Management
BMARKR	Retail Marketing
BWKBS	Work Based Learning
BEMPL	Employability Skills (Available Online Only)

ENGLISH (pg. 20)

ENG09	English 9
EFRENG	Freshman English
EHFRE	Honors Freshman English
ENG10	English 10
ESOENG	Sophomore English
EHSOP	Honors Sophomore English
ENG11	English 11

EJRENG	Junior English
EAPLIT	AP English Literature and Composition
EACOMS	Applied Communication Skills
EADCOM	Advanced Composition/English 101
EWGIT	Creative Writing
EEASTL	Eastern Literature
EWRITE	E-Writing for the 21 st Century
EGENCO	General Communications
EGREAT	Great Novels
ELIT	Literature in the Historical Context
EMYTH	Mythology
ESERLE	Service Learning English
ESPCH	Speech
EWRCOM	Written Communication

FAMILY AND CONSUMER SCIENCE (pg. 25)

FOODI	Introduction to Foods
FFOOD1	Food Service I
FFOOD2	Food Service II
FHUMRE	Human Relations
FPARNT	Parents and Children
FCHIL1	Child Care I – Child Development
FCHIL2	Child Care II – Assistant Child Care Teacher
FFABB	Beginning Fashion and Fabrics
FFABA	Advanced Fashion and Fabrics
FFAMIL	Work Based Learning

HEALTH (pg. 29)

HHEAL	Health (Available Online)
HHEAI	Health Issues
HEACA	Health Careers

MATHEMATICS (pg. 30)

MAALG	Applied Algebra
MALG1	Algebra I
MAGEO	Applied Geometry
MGEOM	Geometry
MHGEOM	Honors Geometry
MALG15	Algebra 1.5
MALG2	Algebra II
MCALCP	Pre-Calculus
MAPCAL	AP Calculus
MASTAT	Statistics
MAPRO1	Computer Programming 1
MAPRO2	Computer Programming 2
MALSKI	Life Skills Math

MISCELLANEOUS (pg. 34)

MIAVID	AVID
MILIBR	Library Science
MIASST	Teacher's Assistant
MIOFF	Office Worker

MUSIC (pg. 35)

MUCHOM	Mixed Chorus
MUCHOT	Treble Choir
MUCHAM	Chamber Choir
MUVOC	Vocal Jazz/SHE
MU170	Foundations of Music/Music 170 (Dual Credit)
MUCONB	Concert Band
MUBANS	Symphonic Band
MUBANJ	Jazz Band

PHYSICAL EDUCATION (pg. 37)

PE 1	PE I
PELIFE	Lifetime Sports
PETEAM	Team Sports
PEINDV	Individual Sports
PESTR	Strength/Speed Training
PEFIT	Personal Fitness

SCIENCE (pg. 38)

SCABIO	Applied Biology
SCBIO1	Biology
SCHBIO	Honors Biology
SCACHE	Applied Chemistry
SCCHEM	Chemistry
SCHCHE	Honors Chemistry
SCAPHY	Applied Physical Science
SCPHY	Physics
SCAPPH	AP Physics I
SCANAT	Advanced Anatomy and Physiology/Biology 180 (Dual Credit)
SCAPBI	Advanced Biology/Biology 101 (Dual Credit)
SCAGEN	Advanced Genetics/Biology 141 (Dual Credit)
SCAPCH	AP Chemistry/Chemistry 145 (Dual Credit)
SCBIOC	Biochemistry
SCCRIM	Criminalistics
SCENV5	Environmental Science

SOCIAL STUDIES (pg. 41)

SOWGEO	World Geography
SOCIV	World Civilization
SOAPWH	AP World History
SOSUHI	Survey of US History
SOUS	US History
SOA101	Advanced US History 101/History 101 (Dual Credit)
SOECON	Economics
SOSURG	Survey of Government
SOGOVT	American Government
SOA102	Advanced US History 102/History 102 (Dual Credit)
SOCURR	Current Events
SOHIS	Perspectives in History
SOPSYC	Psychology
SOSERL	Service Learning Social Studies
SOSOCP	Social Problems
SOWW	World War II

SPECIAL EDUCATION (pg. 45)

SPCARD	Card Shop
SPCARE	Career Exploration
SPCOOK	Cooking Skills
SPCUR	Current Events Skills
SPSK	Independent Skills
SPLIF	Life Skills
SPPERS	Personal Development
SPRE	Resource
SPSELF	Self-Management
SPSOCD	Social Development
SPSUC1	Success Center (1 st semester)
SPSUC2	Success Center (2 nd semester)
SPWK	Work Skills
SPWORK	Work
SPRDG	Reading Skills
SPREA1	Reading 1/2
SPREA3	Reading 3
SPIENG	Independent English
SPHEAS	Healthy Start-up
SPIHEA	Independent Health
SPMATH	Math Skills
SPMAT1	Functional Math 1
SPMAT2	Functional Math 2
SPMAT3	Functional Math 3
SPIMAT	Independent Math
PEADPH	Adaptive Physical Education
SPIPE	Independent Physical Education
SPSCI	Science Skills
SPHEA	Health-Science
SPISCI	Independent Science
SPSOC1	Social Studies Skills
SPSOC2	Social Studies
SPTR3E	Transition English
SPTR3H	Transition History
SPISOC	Independent Social Studies
SPIGOV	Independent Government

TECHNOLOGY EDUCATION (pg. 52)

TEINTR	Intro to Tech Education
TEPOWE	Power and Energy
TESMAL	Small Engine Repair
TEAUTO	Auto Mechanics
TESIMP	Simple Fixes
TEMET1	Metals Technology I
TEMET2	Metals Technology II
TEDRF	Basic Drafting
TEENG1	Engineering Design I
TEENG2	Engineering Design II
TEARC1	Architectural Design I
TEARC2	Architectural Design II
TEWOOD	Woodworking I
TEWOO2	Woodworking II
TEWOO3	Woodworking III
TECARP	Carpentry
TEMATM	Material Science
TEWORK	Work Based Learning

COMPUTER NUMERICA CONTROL PROGRAM (pg. 56)

TEBPR	Blueprint Reading
TEPLO	CNC Production Lathe-Operation
TECNCP	CNC Production Mill-Operation
TEMINT	Intro to Machining
TEMFMA	Manufacturing Math 1
TEMI	Measurement & Inspection

WELDING PROGRAM (pg. 57)

TEAMW	Applied Math Welding
TEBPR	Blue Print Reading 1
TEFAB1	Fabrication 1
TEGMA1	Gas Metal Arc 1 (GMAW)
TEOFMC	Oxy Fuel Metals Cutting
TEOFMJ	Oxy Fuel Metals Joining
TESMA1	Shielded Metal Arc 1 (SMAW)
TESMA2	Shielded Metal Arc 2 (SMAW)
TETIG1	Tungsten Inert Gas 1 (TIG)
TEWELD	Work Based Learning Welding

WORLD LANGUAGE (pg. 59)

LSPAN1	Spanish I
LSPAN2	Spanish II
LSPAN3	Spanish III
LSPAN4	Spanish IV
LGRMN1	German I
LGRMN2	German II
LGRMN3	German III
LGRMN4	German IV

UW-RICHLAND ACADEMIC ALLIANCE 2.0 PROGRAM

Sparta High School offers dual credit class through a partnership with UW Richland called Academic Alliance 2.0. For complete information about this program, please visit the Academic Alliance website at <http://richland.uwc.edu/academics/special-programs/alliance>. Students can earn credits for high school and college courses simultaneously by taking college courses that are at Sparta High School, during the regular school day and taught by qualified high school teachers working with a UW-Richland faculty liaison. Academic Alliance 2.0 students generally rank in the top 25% of the high school class and usually have a minimum 3.0 grade point average. Students who do not meet this requirement, in consultation with their high school guidance counselor, may appeal to UW-Richland Student Services for an exemption.

Registration materials will be distributed in the spring of each year. Information about payment will be included. Course fees are published by the UW-System Board of Regents each July.

As of the publication of this course description book, the following classes will convert to college credit through the Academic Alliance 2.0 with UW-Richland for the 2017-2018 school year:

<u>Sparta High School Course</u>	<u>College Credits</u>	<u>UW-Richland Course name</u>
Adv Anatomy & Physiology (1 yr)	3	Biology 180 Intro to Human Biology
Adv Biology (1 yr)	5	Biology 101 Concepts of Biology
A.P. Chemistry (1 yr)	5	Chemistry 145 General Chemistry
Adv US History 101 (1 yr)	3	History 101 U.S. History before Civil War
Adv US History 102 (1 yr)	3	History 102 U.S. History after Civil War
Adv Comp (1 sem)	3	English 101 College Writing
Foundations of Music (1sem)	3	Music 170 Foundations of Music

UW-Richland courses will transfer to any UW System school. Information about how courses transfer within the UW System can be found at <http://richland.uwc.edu/academics/special-programs/alliance> or <http://tis.uwsa.edu/wizards/>. Students should check with their prospective post-secondary institutions about how credits will transfer. Students will request transcripts for dual credit courses directly from UW-Richland at the conclusion of the course.

ADVANCED PLACEMENT PROGRAM

The Advanced Placement (AP) program at Sparta High School offers students an opportunity to study and take AP exams that may lead to college credit. These AP courses can provide students with a head start in college, while being in the supportive environment of a high school classroom. Students can take an AP exam without taking an AP course.

The following courses are approved by College Board and are designated at AP on the transcript:

AP Chemistry
AP Physics I
AP Calculus AB
AP English Literature and Composition
AP World History

The AP exams are given in May of each school year and administered at the high school. The fee per AP exam will be discussed in class. Registration for AP exams is completed in April. More information can be found at <https://student.collegeboard.org/>

Completing the end-of-course AP exam sends a powerful message to colleges and universities that the student is academically prepared. It also assists the student in gaining admission, college credit, and placement into advanced courses. Colleges and universities only give credit or placement for qualifying AP Exam scores, not AP course grades. A corresponding AP exam score, allows schools to verify that the AP course(s) the student took are true college-level courses. For example, at the University of Wisconsin-La Crosse, students who participate in the Advanced Placement Program in high school and receive a score of 3, 4, or 5 on the AP exams will receive academic credit. Official high school transcripts of AP work and official AP score reports from College Board must be submitted to the College/ University Admissions Office for evaluation to determine how academic credit will be awarded.

AGRICULTURE AND NATURAL RESOURCES DEPARTMENT

Course Key	Course Name	9	10	11	12	S/Y	TE	CTEERS
AGINTR	Introduction to Agriscience (Recommended first course)	X	X	X	X	S	X	1.09 A
AGFISH	Fish & Wildlife Management	X	X	X	X	S	X	1.09 A
AGPLAN	Plants and Landscape	X	X	X	X	S	X	1.09 A
AGANI1	Animal Health	X	X	X	X	S	X	1.09 A
AGSMAL	Small Animal Veterinarian Science (offered: 2015-16 and 17-18)		X	X	X	S	X	1.09 A
AGWILD	Wildlife Management		X	X	X	S	X	1.09 A
AGGREE	Greenhouse Management		X	X	X	S	X	1.09 A
AGLRG	Large Animal Science (offered: 2016-17 and 18-19)			X	X	S	**	1.09 A
AGBUS	Agribusiness Leadership Development			X	X	S		1.09 A
AGFOOD	Ag Foods Processing			X	X	S		1.09 A
AGCOOP	Work Based Learning			X	X	Y		1.09 A

S – Semester Course

Y – Year Course

TE – Technology Emphasis Course

** -Transcripted with Western Technical College

Program Format

The Agricultural Education program consists of three integrated components/parts. These parts are the high school Ag-Ed classes, the National FFA Organization, and S.A.E (Supervised Agricultural Experience). A student wishing to be an FFA member must be enrolled in at least one Agriculture course during that year. All students are encouraged to join the National FFA Organization but are not required to. Being an FFA member poses many opportunities to showcase skills learned in class at Career Development Events where students can compete with students of other schools. Members are also privileged to attend various workshops and conventions held throughout the year as they meet new people and develop new networking skills. Students are encouraged to sign up for Introduction to Agriscience as their first course and then pick a pathway(s) following that course so that they are able to be in the Agriculture Classroom throughout their high school career.

AGINTR INTRODUCTION TO AGRISCIENCE

Grade Level: 9-12

Recommended: None (Required in order to take any other agriculture class)

Credit: 1

Ready to get down to the nitty gritty! This beginner level course explores the inner workings of the Agriculture Industry. Students develop an awareness and understanding of plants, animals, wildlife, forestry, food processing, soils, biotechnology and leadership all in this class. Students are engaged in hands on learning labs where they work with plants, process meat and dairy products, analyze soil samples, create models, and so much more. This intro class also exposes students to agriculture careers and the opportunities of FFA. Students will develop communication, networking and leadership skills to carry on in their future. The goal of this class is to share the amazing world of agriculture in a fun and fast paced, hands on classroom. This course is recommended for freshmen or new students to the agriculture classroom. This course is a Recommended to all agricultural courses.

AGFISH FISH AND WILDLIFE

Grade Level: 9-12

Recommended: Introduction to Agriscience

Credit: 1

Enjoy the outdoors? Take a walk on the wild side and learn about some of those critters that come out and prowl in the night! This class explores hunting the whitetail deer, game management, endangered wildlife, and a variety of wildlife species and their habitats. A taxidermy unit is a highlight of the class, as past students have mounted ducks, pheasants, squirrels, raccoons, and other legal species. Waterfowl and wetland management are discussed, as well as fish management, forestry, hunting safety, and small and large game mammals. Students generally have an area that they excel in and this is an opportunity to earn a grade by teaching a unit to the class (hunting, fishing, trapping, etc.). If you have an interest in wildlife species or related habitats, this class is for you! Total semester expenditures for this course are only approximate and range around \$15 - \$40 depending on project.

AGPLAN PLANTS AND LANDSCAPE

Grade Level: 9-12

Recommended: Introduction to Agriscience

Credit: 1

This hands-on introduction to the basics of plants is not only for plant enthusiasts but for everyone. Join this class and explore the amazing and interesting possibilities of plants as we work in the greenhouse. We will study the effects on plants when we expose them to different amounts of light, temperature, and soil medias. We will grow plants from cuttings, construct floral arrangements, design landscape drawings, and have fun in the process as we also explore the vast growing careers in horticulture.

AGANTH ANIMAL HEALTH

Grade Level: 9 -12

Recommended: Intro to Agriscience

Credit: 1

Animal Health will get you experience in the areas of small and large animal health care and management. Topics included will be careers, law and ethics, administrative duties, animal housing, medical terminology, animal care, handling of small animals, nutrition and animal training. Careers will continually be explored throughout the course. Lab animals will be provided as needed. This course is recommended before taking either Small Animal Veterinary Science or Large Animal Veterinary Science.

AGSMAL SMALL ANIMAL VETERINARIAN SCIENCE (offered: 2015-16 and 17-18)

Grade Level: 10 -12

Recommended: Animal Health

Credit: 1

Do you have a pet or enjoy animals? In Small Animals students learn about the different breeds of dogs, cats, and other furry critters. We take an in depth look at the nutrition, health, and housing requirements for our fuzzy friends. Issues like animal rights vs. animal welfare, cloning, and such will be discussed in an open forum manner. A look into possible careers and science behind animals will also be explored.

AGWILD WILDLIFE MANAGEMENT

Grade Level: 10-12

Recommended: Fish and Wildlife Management and Introduction to Ag.

Credit: 1

If you are an outdoor person and love hunting, fishing, or just being outside then you will love this class. You will recognize opportunities in wildlife management, learn about habitat assessment, forest management, socio-economic impacts of wildlife, differences in game and non-game management, wildlife population dynamics, predator –prey relationships, game and fish laws and regulations, current conservation techniques, firearm safety, and government agencies involved in wildlife management. You will also have the opportunity to develop independent wildlife projects and experiments and work on advanced taxidermy projects. Total semester expenditures for this course are only approximate and range around \$15 - \$40 depending on project.

AGGREE GREENHOUSE MANAGEMENT

Grade Level: 10-12

Recommended: Plants and Landscape

Credit: 1

It's a jungle out there in our 70 degree plant paradise! In this one semester course offered in the spring only, students will learn the basics of growing plants in a greenhouse environment. Students should expect a majority of their time to be spent in the school's greenhouse learning plant techniques, management skills and operation of a computer controlled greenhouse. Over 40 types of annuals and vegetables are raised, which adds up to over 400 flats grown, managed and sold by the students in this class. Additionally, students will learn the identification of the above crops, pest management and marketing of horticultural crops. Plants and Landscapes is a recommended for this course or with teacher's approval. Cost of \$5.00 lab fee.

AGLRG LARGE ANIMAL SCIENCE (offered: 2016-17 and 18-19)

Grade Level: 11-12

Recommended: Animal Health

Credit: 1

Planning to be a vet or work with animals on a daily basis? This class is for you! Come with us as we take an actual look into the digestive system of a cow, or the udder of a cow through classroom dissections. We will study the anatomy, digestion, reproduction, health, diseases, and management of Beef, Dairy, Swine, Sheep, and Horses. This hands-on class suits anyone with an appreciation for animals or pursuing a career with animals. This upper level course designed to build on the topics discussed in Small Animals. This credit is transferable to other Technical and University classes.

**Transcripted Credit Course: Students who successfully complete this course with a C or above will receive college credit at Western Technical College. **

AGBUS AGRIBUSINESS AND LEADERSHIP DEVELOPMENT

Grade Level: 11-12

Recommended: Completed at least 2 Agriculture courses

Credit: 1

Do you want to have the advantage over everyone else? Do you want to learn how to work with others and the people around you? Then this class is for you. Leadership is an intangible asset that every individual needs to possess to be successful in this world. This class explores the skills and abilities needed to be an influential leader in our school, home, and community. Students will learn how to be confident public speakers, to effectively work as a team, be a group leader and most importantly, become involved in the community. This class does not have much homework, but the class hour is filled with student-led activities, demonstrations, mentoring students, group discussions, and community service. By taking this class, you must PROVE to be a positive and productive leader in your class, school and community!

AGFOOD AG FOODS PROCESSING

Grade Level: 11-12

Recommended: Completed or concurrently in at least 3 Agriculture courses

Credit: 1

Bratwursts, Ice Cream, Candy, Salsa... Now that we have your attention, join us as we explore your favorite foods and the science that goes into making them. Learn about the unique ways foods are processed, prepared and preserved. Come along in this Jr. – Sr. level course as we take full use of our meat processing equipment by learning cuts of meat and how to make jerky or brats. We also explore the dairy industry and how the raw milk product is turned to cheese and ice cream in fun and tummy satisfying labs. This class will make a variety of edible treats including: jerky, salsa, sausage, brats, cheese, yogurt, ice cream, butter, caramel, rock candy, sauerkraut, and jam. This class will benefit students interested in a career in the food industry, agriculture, and the general sciences. There is a \$25.00 lab fee for this class.

AGCOOP WORK BASED LEARNING

Cooperative (Co-op) Education Program

GRADE LEVEL: 12

RECOMMENDED: Required CTE courses

REQUIRED OR ELECTIVE: Elective

CREDIT: 2 (year-long)

Co-op is a school-supervised work experience offered to seniors. This program provides the student authentic experiences in the world of work combined with related classroom instruction. The student may be released for a portion of the school day to work at one of the cooperating businesses. A work-based training plan includes competencies that the student works to achieve through the work experience. The cooperating businesses and coordinating teacher will train, supervise and evaluate the student's workplace experience based on job requirements and the training plan. Cooperative educational programs are offered in the following career and technical education (CTE) content areas:

- Agriculture
- Business and Information Technology (Business & Marketing)
- Family and Consumer Science (Child Care Service, Food Service, Family & Community Service)
- Technology Education

**The student must be enrolled concurrently in the Employability Skills course with the Business Department.*

**A student may participate in co-op without being released during the school day to work.*

Youth Apprenticeship

GRADE LEVEL: 11-12

REQUIREMENT: FOUR CLASSES PRIOR/CONCURRENTLY IN RELATED FIELD which includes ENROLLMENT IN THE EMPLOYABILITY SKILLS CLASS

CREDIT: 2 (year-long)

Mentored Hands-On Training. Youth Apprenticeship, a nationally recognized, Wisconsin state school-to-work program has returned to Sparta High School. This program is geared toward the junior or senior high school student who wants to experience hands-on learning at the worksite in conjunction with classroom instruction. This rigorous one or two year elective program combines academic and technical instruction with mentored on-the-job training that assists the student in making real world connections in the work place. Additional benefits for the student include receiving class credit while working during and/or after school hours and receiving a Certificate of Occupational Proficiency from the Wisconsin Department of Workforce Development. Students may be released a portion of the school day to work at one of the mentoring businesses. Youth Apprenticeship training options are available in the following areas: *Auto Collision or Technician, Biotechnology, Financial Services, Drafting and Design, Graphic Arts/Printing, Health Services, Industrial Equipment, Computer Science, Networking, Insurance, Hospitality, Lodging and Tourism, Logistics (Freight Movement), Production Agriculture (animals and soils/crops, and Welding*

**Subject to relevant employer participation*

***A student may participate in the YA program without being released during the school day to work.*

ART DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	TE
ATHREE	Three – Dimensional Design (Suggested for Sculpture)	X	X	X	X	S	
ATWO	Two – Dimensional Design (Suggested for Draw I)	X	X	X	X	S	
APOTT1	Pottery I (recommended for Pottery II)	X	X	X	X	S	
APOTT2	Pottery II (recommended for Pottery III)		X	X	X	S	
APOTT3	Pottery III		X	X	X	S	
ARDRW1	Drawing I (recommended for Draw II, Painting)		X	X	X	S	
ARDRW2	Drawing II			X	X	S	
APAINT	Painting			X	X	S	
ARDESI	Graphic Design			X	X	S	X
ASCUL	Sculpture		X	X	X	S	
APRINT	Printmaking		X	X	X	S	X
APHOTO	Digital Photography		X	X	X	S	X
AMETJ	Jewelry/Art Metal			X	X	S	X
ARTAP	Studio Art			X	X	S	X

S – Semester Course

Y – Year Course

TE – Technology Emphasis Course

ATHREE THREE DIMENSIONAL DESIGN

GRADE LEVEL: 9 -12

RECOMMENDED: None

CREDIT: 1

How do you transform a simple idea on paper into a three-dimensional form? Ideas develop both additively (gluing / assembling) and subtractively (carving). Surface treatment is emphasized in the finished product. The computer will be used as a tool for planning and creating. Students may be required to purchase additional supplies. Possible projects include: serial planes, polyhedrons, Pop Art replicas, soap and woodcarving. (\$10.00 minimum out of pocket expense)

ATWO TWO DIMENSIONAL DESIGN

GRADE LEVEL: 9 - 12

RECOMMENDED: None

CREDIT: 1

What determines a visually pleasing artwork? Two Dimensional Design provides the opportunity for students to develop a good sense of composition as they organize the elements and principles of design into artwork. Students will design compositions within different formats, and explore a variety of art media, i.e., paint, chalk, markers, and pencil. Basic skills and techniques are learned as student work in both black & white and full color using traditional and digital media. Possible projects include: designs using line, color and pattern, a color wheel, black and white photo reduction, and a poster enlargement using the grid. (\$3.00 minimum out of pocket expense)

APOTT1 POTTERY I

GRADE LEVEL: 9 - 12

RECOMMENDED: None

CREDIT: 1

Pottery I provides the student with an introduction to the major methods of hand building: coil, slab, slump mold, subtractive carving, hollow-core extrusion, and wheel thrown pottery. Projects will center on applying the appropriate construction method and decorative technique. Students will learn the different demands of clay as it moves from one stage of dryness to another. Examples of possible projects include: coil built vessels, slab built containers, masks, platters, extruded vessels, and ugly face mugs. (Out of pocket expenses - \$10)

APOTT2 POTTERY II

GRADE LEVEL: 10 -12

RECOMMENDED: A grade of "C" or better in Pottery I

CREDIT: 1

Pottery II is designed to give students experience throwing on the potter's wheel. Students will learn how to create a variety of forms. Students will also have the option to experience a production style setting on the wheel via Spartan Mugs. By utilizing and improving their skills in hand building and glazing, students will produce high quality pieces. Students will work on a long-term hand built project when the wheels are in use. Other possible projects and techniques include: pitcher, a covered baking dish, teapot, and numerous other functional items. (Out of pocket expenses - \$10)

APOTT3 POTTERY III

GRADE LEVEL: 10 - 12

RECOMMENDED: 2D & 3D Design, a grade of "C" or better in Pottery II

CREDIT: 1

Pottery III is a course for the students who have already developed proficiency on the potter's wheel/hand building and are looking to refine their skills. Students will concentrate on applying the elements and principles of design to the thrown form. Advanced skills on the wheel and large scale sculptural methods will be introduced. Previously unattainable shapes, sizes, and designs will now be within reach of the student who practices and masters these advanced skills. Students will help design the path their project work will go and the criteria that they should be judged on. They will then use google sites to create a webpage to display their work. Students will also have the option to experience a production style setting on the wheel via Spartan Mugs. (Out of pocket expenses - \$10)

ARDRW1 DRAWING I

GRADE LEVEL: 10 - 12

RECOMMENDED: 2D Design

CREDIT: 1

So you like to draw but you don't think your any good at it. Anyone can learn to draw! Drawing I is intended for students who are interested in developing skill in drawing. The first few weeks are spent working with contour line drawing and value shading. Students progress to more finished drawings in chalk, marker, charcoal, and pencil. Subject matter ranges from individual object studies to live model portraits and photographs. The computer as a drawing tool may also be explored.

ARDRW2 DRAWING II

GRADE LEVEL: 11 - 12

RECOMMENDED: 2D Design, Drawing I

CREDIT: 1

Drawing II challenges the serious art student to use their drawing skills developed in Drawing I. Traditional subject matter such as self-portraits and figure drawing will be explored. The emphasis is on creating drawings that illustrate a purpose and at the same time allow students to express their creativity. Possible techniques and subject matter include: a self-portrait poster enlargement from a digital photo, black scratch, live model portraits and figure drawings, blended oil pastels, surrealism, and caricatures.

APAIN T PAINTING

GRADE LEVEL: 11 -12

RECOMMENDED: 2D Design, Drawing I

CREDIT: 1

Challenge yourself with watercolor and acrylics. Painting is basically drawing with paint! Possible watercolor projects include, water color pencils, a "loose" painting started by just spilling paint, painting a landscape from a photo and a final original composition. Possible acrylic projects include: an Abstract Expressionist or Fauvist style painting and a final original composition on stretched canvas. Painting styles throughout history will be examined as you create your own paintings. Students are required to purchase additional supplies i.e., brushes, canvas. (\$15.00 minimum out of pocket expense)

ARDESI GRAPHIC DESIGN

GRADE LEVEL: 11 - 12

RECOMMENDED: 2D Design, Drawing I

CREDIT: 1

The work of a graphic designer is found everywhere in products we see, buy and use. Graphic and industrial design will be explored in addition to package and product design. Professional level illustration techniques using design markers are introduced. "Real world" products are created in the computer lab using Photoshop. In addition to the traditional marker illustrations, potential computer graphic projects include: a food face tutorial, concert poster, postage stamps, graffiti letters and a C-D package. Students are required to purchase a binder to showcase products during a portfolio review.

ASCUL SCULPTURE

GRADE LEVEL: 10 -12

RECOMMENDED: 3-D Design

CREDIT: 1

Sculpture is a course designed to familiarize students with the materials and processes that lead to the creation of forms in space. All elements of good design and quality craftsmanship are emphasized. Additive and subtractive methods of sculpture are explored, along with structural design concerns and decorative techniques. Students may be required to purchase additional supplies. Possible projects include: life masks, found object sculptures, expanded PVC abstractions, “stone” carving, pewter casting and paper craft. (\$10.00 minimum out of pocket expense)

APRINT PRINTMAKING

GRADE LEVEL: 10 -12

RECOMMENDED: 2-D Design, Drawing I strongly suggested

CREDIT: 1

Printmaking is all about creating artwork using techniques that vary from making random one-of-a-kind prints, (mono-printing with marbelizer, stamping , rolling, string, finger painting, channel prints), to multiple copies off the same original, (Xerography – Photoshop , camera, scanner and copy machine , Relief – silicone block, Intaglio – etching). The elements and principles of design are considered when creating prints; even the “random” abstract prints still need good composition. Other possible projects include T-shirt designs and mirror etching / sandblasting. (\$5.00 minimum out of pocket expense)

APHOTO DIGITAL PHOTOGRAPHY

GRADE LEVEL: 10-12

RECOMMENDED: None

CREDIT: 1

Students will learn how to take better photographs with their own camera through studying rules of composition, basic camera operations, lighting techniques, and photo editing methods with Photoshop. Required photo shoots will cover a variety of subject matter and include both black & white and color images taken outside of class and in the photography studio. Students will also explore past and present trends and careers in photography. Access to a digital camera is a must. Using google sites students will create a webpage to display their work. The enrollment is limited, with upperclassmen having first priority. (Out of pocket expenses - \$10)

AMETJ JEWELRY / ART METALS

GRADE LEVEL: 11-12

RECOMMENDED: None

CREDIT: 1

So you're all about the Bling-Bling, but you can't find any that truly matches our style or personality. Have you ever wished you could design and create your own Bling? Jewelry/Art Metals is intended for students who are interested in developing the basic skills in jewelry creations. The emphasis is on jewelry design; pierce work, casting methods and finishing techniques. Possible projects include: pedants, cut coin jewelry, broaches, chainmail, earrings and rings. The enrollment is limited, with upperclassmen having first priority. (\$10.00 minimum out of pocket expense)

ARTAP STUDIO ART

GRADE LEVEL: 12

RECOMMENDED: Permission of the Instructor and Majority of Art Classes offered

CREDIT: 1

This independent study course will provide experiences to create a portfolio that demonstrates mastery in one artistic concern: Two Dimensional Design, Three Dimensional Design or Drawing. This course has specific rigorous requirements that demand authenticity and diversity while challenging higher level thought processes. Students are required to develop an individual education plan based on intensive evaluation of current strengths and weaknesses. The plan must include how they will explore new and apply previously learned techniques, concepts and problem solving strategies to develop inventive, creative, original works at a level of mastery comparable to foundation level college courses.

BUSINESS AND INFORMATION TECHNOLOGY

Course Key	Course	9	10	11	12	S/Y	TE	CTEERS
BISOFT	Intro to Software Applications	X	X	X	X	S	*	11.08 B
BTECH	Emerging Technology	X	X	X	X	S		11.08 B
BINTRO	Intro to Business	X	X	X	X	S		52.02 B
BISOFT	Software Applications for Business		X	X	X	S	**	11.08 B
BPFINA	Personal Finance (Also Available Online)		X	X	X	S		52.02 B
BACCT1	Accounting I		X	X	X	S		52.03 B
12104G	Accounting II (Online)			X	X	S		52.03 B
BDESK1	Desktop Publishing I		X	X	X	S		11.08 B
BDESK2	Desktop Publishing II		X	X	X	S		11.08 B
BYRBK	Yearbook			X	X	Y		11.08 B
BMARK1	Principles of Marketing (Formerly Intro to Marketing)	X	X	X	X	S		52.14 M
BADVMA	Advanced Marketing		X	X	X	S		52.14 M
BSPORT	Sports and Entertainment Marketing			X	X	S	**	52.14 M
BMARKM	Marketing Management & Entrepreneurship (Formerly Business & Marketing Management)			X	X	S	**	52.14 M
BMARKR	Retail Marketing		X	X	X	S		52.14 M
BWKBS	Work Based Learning			X	X	Y		52.02 B
BEMPL	Employability Skills (Available Online Only)			X	X	Y		52.02B/M

S – Semester Course

Y – Year Course

* - Advanced Standing with Western Technical College

** -Transcripted with Western Technical College

BISOFT INTRO TO SOFTWARE APPLICATIONS

GRADES: 9 - 12

RECOMMENDED: None

CREDIT: 1

Would you like all the necessary computer skills to complete your assignments successfully during you high school career? Do you plan on attending a 4-year university or technical college after high school? Do you plan on pursuing a work career directly after high school? If you answered yes to any of the above questions, then signing up for Intro to Software Apps is a must! Regardless of your future plans, Microsoft Office software is the most widely used application utilized in universities, technical colleges, and the working world. In this course, you will learn the proper use of this powerful software to properly format all of the future assignments that your teachers will be requiring. You will also get a basic working knowledge of the programs of Microsoft Office that you will need as a student or employee after high school. Intro to Software Applications...crucial for your future success.

* Advanced Standing Course: Students who successfully complete this course with a B or above will not have to take Keyboarding Fundamentals at Western Technical College.

BTECH EMERGING TECHNOLOGY

GRADE LEVEL: 9-12

RECOMMENDED: None

CREDIT: 1

Game Design and Mobile Apps Introduction, Music and Video Editing, Live Streaming, Website creation, Cartoons, and more! Live Streaming, Webcams, Game Design Introduction, Websites, Cartoons, Wikis, Music and Video Editing and more! In this class you get to create digital projects using the latest and greatest free software and utilities available on the World Wide Web. What can new technologies bring to personal and business communication, learning, and knowledge? This course explores these issues and addresses the use of these technologies. The software and concepts taught in this class will change as new technology emerges. If you would like to be in on the cutting edge of what the World Wide Web has to offer, this class is for you.

BINTRO INTRO TO BUSINESS

GRADE LEVELS: 9-12

RECOMMENDED: NONE

CREDIT: 1

This explorative course is for anyone with a possible interest in owning, managing, or working in the business field. Topics will include an overview of ethics, decision-making, entrepreneurship, management, finance, marketing, accounting, and team building. This course will conclude with students applying these concepts by working in teams to create and operate a small business. If you're thinking about a business career, this class is a must.

BISOFT SOFTWARE APPLICATIONS FOR BUSINESS

GRADE LEVELS: 10-12

RECOMMENDED: Intro to Software Applications

CREDIT: 1

All jobs in the “information age” require knowledge of computer applications and this course will teach more advanced computer concepts using the Microsoft Office 2010 Suite, which is the software most commonly used in business. This course will also work with Google Drive applications. This is a college level class and it is recommended for all students in order to prepare you for life after high school whether pursuing a post-secondary degree or immediately entering the workforce upon graduation.

**Transcribed Credit Course: Students who successfully complete this course with a C or above will receive college credit at Western Technical College. *

BPFINA PERSONAL FINANCE

GRADE LEVELS: 10-12

RECOMMENDED: None

CREDIT: 1

Whether you plan on pursuing higher education or entering the workforce after high school, personal finance is for you. This course covers concepts needed in everyday life beyond high school. Topics covered will include consumer credit, investments, rent, housing and auto purchases, career planning, budgeting, insurance, identity theft and financial planning. The skills and concepts in this class will help students get a head start on a successful and prosperous future. Projects will include realistic research activities helpful for future personal financial decisions. This course is also available online.

BACCT1 ACCOUNTING I

GRADE LEVELS: 10 -12

RECOMMENDED: None

CREDIT: 1

Would you like to investigate one of the most highly paid, in demand professions? The field of accounting offers challenging assignments, an array of travel opportunities, advancement potential, skills building, and the chance to play a vital role in evaluating business deals and growth and investment strategies. A first step in preparation is learning the accounting cycle and recording the financial progress of a business. High School accounting is either required or highly recommended for any student planning to pursue a career in the business field by most secondary education institutions.

12104G ACCOUNTING II ONLINE

GRADE LEVELS: 11 -12

RECOMMENDED: ACCOUNTING I

CREDIT: 1

An Accountant’s life is no longer just a desk job. Accountants not only enjoy a great salary, but can work in exciting industries as Forensics, Entertainment and the Environment. This advanced course will delve into Payroll, Taxes, Partnership and Corporate Accounting

BDESK1 DESKTOP PUBLISHING I

GRADE LEVELS: 9 - 12

RECOMMENDED: Intro to Software Applications

CREDIT: 1

The most fun you can have with a computer! Desktop Publishing is a project-based class that introduces you to basic layout and design principles as they relate to graphic design using desktop publishing software, a scanner, digital camera and printer. You will create professional-looking publications including newsletters, flyers, brochures, business cards, CD covers, candy bar wrappers, a digital memory book and magazine spreads. Programs utilized are Adobe Photo Shop and Adobe InDesign.

BDESK2 DESKTOP PUBLISHING II

GRADE LEVELS: 10-12

RECOMMENDED: Desktop Publishing I

CREDIT: 1

Enhance your graphic design skills in Desktop Publishing II by learning advanced concepts in InDesign and incorporating Adobe Photoshop and Adobe InDesign applications. In Desktop Publishing II you will experience the on-the-job demands of a graphic designer. This will be accomplished through a business simulation by producing professional publications according to clients’ requests from school personnel and community members. You will also get the opportunity to visit local graphic design businesses. Students in Desktop Publishing II will keep a portfolio of their work. Projects include creating marketing tools for the business (posters, flyers), generating client forms, and developing a portfolio of work. Other projects will be dictated by client demands.

BYRBK YEARBOOK

GRADE LEVELS: 11-12

RECOMMENDED: Desktop Publishing I, Photography (strongly suggested), and Instructor Approval (Required)

CREDIT: 2 (Yearlong course)

Do you want be part of your Sparta High School's history by assisting in the creation of the annual Spartan Yearbook? You will utilize the principles of design, software and digital cameras to create page layouts. You will be expected to make individual contributions, work cooperatively as a team at each stage of the process and attend extra-curricular activities when assigned. You should be highly self-motivated, organized, have a positive attitude, and the ability to meet deadlines. The final product is the Sparta High School Spartan Yearbook.

BMARKI PRINCIPLES OF MARKETING (FORMERLY INTRO TO MARKETING)

GRADE LEVELS: 9-12

RECOMMENDED: None

CREDIT: 1

The most dynamic growth industry in the business environment is marketing. This course will instruct students in the foundations of marketing, the 4P's of marketing (product, price, place, promotion), human relations and communications (people skills), and economic principles as they apply to marketing. Small group oriented instruction and the opportunity for involvement in the associated student organization (DECA) will allow the student to achieve a true "hands on" experience.

BADVMA ADVANCED MARKETING

GRADE LEVELS: 10-12

RECOMMENDED: Principles of Marketing

CREDIT: 1

Beyond the basics, this course concentrates on the role of marketing in our society, what their relationship in a business environment and how to apply personal skills and abilities to further career goals. Business operation (using the school store), entry-level math skills, decision-making skills, sales, applying the marketing mix, market research, advertising, and career exploration. Projects include guest speakers, promotional campaigns, market research for the school store to help purchase merchandise for the next school year and a career portfolio. Becoming a member of DECA is recommended.

BSPORT SPORTS AND ENTERTAINMENT MARKETING

GRADE LEVEL: 11 -12

RECOMMENDED: Principles of Marketing

Credit: 1

You know the score of the big game and all of the songs recorded by your favorite musician, but sports and entertainment marketing are more than just the score and songs. Look behind the scenes of these multi-billion dollar industries and find out about the business side of sports and entertainment. This class takes the principle of marketing and applies them to the world of sports and entertainment. Projects include: image promotion, market research, marketing plan, for fictional team or group, promotional package for Sparta athletics, ethics. Fees: possible charge for field trip to various facilities. Seniors will be given first choice. Becoming a member of DECA is recommended.

**Transcripted Credit Course: Students who successfully complete this course with a C or above will receive college credit at Western Technical College. **

BMARKM MARKETING MANAGEMENT AND ENTREPRENEURSHIP (formerly Business & Marketing Management)

GRADE LEVELS: 11-12

RECOMMENDED: Intro to Business or Principles of Marketing

CREDIT: 1

Whether you want to own your own business or supervise in one of the many exciting business fields, knowledge of management principles is necessary for success. This course will include but not be limited to: business decision-making, ethics, management styles, employment laws, conflict resolution, conducting business meetings and preparing a business plan. Field trips and guest speakers from the business field may also be included in this class. Becoming a member of DECA is recommended.

**Transcripted Credit Course: Students who successfully complete this course with a C or above will receive college credit at Western Technical College. **

BMARKR RETAIL MARKETING

GRADE LEVELS: 10 – 12

RECOMMENDED: Principles of Marketing

CREDIT: 1

The students enrolled will manage, staff, run and make merchandise decisions for the school-based-enterprise – The Spartan Stoppe. This course will give the skills and knowledge to be able to work in the retail field. In conjunctions with this course the student may be enrolled as a Marketing Aid to work in the Spartan Stoppe during their study hall.

BWKBS WORK BASED LEARNING

Cooperative (Co-op) Education Program

GRADE LEVEL: 12

RECOMMENDED: Required CTE courses

REQUIRED OR ELECTIVE: Elective

CREDIT: 2

Co-op is a school-supervised work experience offered to seniors. This program provides the student authentic experiences in the world of work combined with related classroom instruction. The student may be released for a portion of the school day to work at one of the cooperating businesses. A work-based training plan includes competencies that the student works to achieve through the work experience. The cooperating businesses and coordinating teacher will train, supervise and evaluate the student's workplace experience based on job requirements and the training plan. Cooperative educational programs are offered in the following career and technical education (CTE) content areas:

- Agriculture
- Business and Information Technology (Business & Marketing)
- Family and Consumer Science (Child Care Service, Food Service, Family & Community Service)
- Technology Education

**The student must be enrolled concurrently in the Employability Skills course.*

**A student may participate in co-op without being released during the school day to work.*

Youth Apprenticeship

GRADE LEVEL: 11-12

REQUIREMENT: FOUR CLASSES PRIOR/CONCURRENTLY IN RELATED FIELD which includes ENROLLMENT IN THE EMPLOYABILITY SKILLS CLASS

CREDIT: 2

Mentored Hands-On Training. Youth Apprenticeship, a nationally recognized, Wisconsin state school-to-work program has returned to Sparta High School. This program is geared toward the junior or senior high school student who wants to experience hands-on learning at the worksite in conjunction with classroom instruction. This rigorous one or two year elective program combines academic and technical instruction with mentored on-the-job training that assists the student in making real world connections in the work place. Additional benefits for the student include receiving class credit while working during and/or after school hours and receiving a Certificate of Occupational Proficiency from the Wisconsin Department of Workforce Development. Students may be released a portion of the school day to work at one of the mentoring businesses. Youth Apprenticeship training options are available in the following areas: *Auto Collision or Technician, Biotechnology, Financial Services, Drafting and Design, Graphic Arts/Printing, Health Services, Industrial Equipment, Computer Science, Networking, Insurance, Hospitality, Lodging and Tourism, Logistics (Freight Movement), Production Agriculture (animals and soils/crops, and Welding*

**Subject to relevant employer participation*

***A student may participate in the YA program without being released during the school day to work*

BEMPL EMPLOYABILITY SKILLS (Available Online Only)

GRADE LEVEL: 11-12

RECOMMENDED: none

CREDIT: 1

Employability Skills is a yearlong course for the student who is concurrently enrolled in a Co-op, Youth Apprenticeship, or has an interest in developing employability skills. Classroom experience is coordinated with on-the-job training. The focus of this course is on personal and interpersonal skills, employer expectations, how to be a valued employee, information processing skills, systems and technology, work ethics, professional development, communication skills for the workplace, entrepreneurship, career planning, resume and cover letter writing, interview strategies, goal setting, portfolios and projects based on goals set by students.

**Upon completion of the Employability Skills Competencies a certificate will be awarded.*

ENGLISH DEPARTMENT

Course Key	Course	9	10	11	12	TE	S/Y
ENG09	English 9	X					Y
EFRENG	Freshman English	X					Y
EHFRE	Honors Freshman English	X					Y
ENG10	English 10		X				Y
ESOENG	Sophomore English		X				Y
EHSOP	Honors Sophomore English		X				Y
ENG11	English 11			X			Y
EJRENG	Junior English			X			Y
EAPLIT	AP English Literature and Composition			X	X		Y
EACOMS	Applied Communication Skills				X	**	S
EADCOM	Advanced Composition/English 101 (Dual Credit)				X		S
EBRLIT	British Literature				X		S
EWRTIT	Creative Writing				X		S
EEASTL	Eastern Literature				X		S
EWRITE	E-Writing for the 21 st Century				X		S
EGENCO	General Communications				X		S
EGREAT	Great Novels				X		S
ELIT	Literature in the Historical Context				X		S
ESERLE	Service Learning English				X		S
ESPCH	Speech				X		S
EWRCOM	Written Communication				X	*	S

S – Semester Course

Y – Year Course

* - Advanced Standing with Western Technical College

** -Transcripted with Western Technical College

<u>Sample Paths</u>	9th Grade	10th Grade	11th Grade	12th Grade
<u>Minimum Requirements</u>	English 9 (teacher recommendation)	English 10 (teacher recommendation)	English 11 (teacher recommendation)	Applied Communication Skills Written Communication
<u>Western Technical College</u>	Freshman English	Sophomore English	Junior English	Applied Communication Skills Written Communication
<u>4-Year Universities</u>	Freshman English	Sophomore English	Junior English	2 English Electives
<u>Competitive 4-Year Universities</u>	Honors Freshman English	Honors Sophomore English	AP Literature and Composition	Advanced Composition 1 English Elective

ENG09 ENGLISH 9

GRADE LEVEL: 9

RECOMMENDED: Teacher Recommendation

CREDIT: 2

This course has a reading comprehensive strategies focus. This course will cover topics relevant to both literature and composition. As a result, the course is yearlong. Specifically, this course will focus on the study of short stories, non-fiction essays, novels and plays. Reflective writing and literary terms will be emphasized. This course also focuses on the development of the sentence and paragraph. Student progress will be evaluated based on a series of short essay activities. Grammar will cover the basics of parts of speech and parts of the sentence. Emphasis will be spelling and the mechanics of language. Independent and supported reading is experienced. Teacher recommendation, WKCE test scores and MAPs Lexile required.

EFRENG FRESHMEN ENGLISH

GRADE LEVEL: 9

RECOMMENDED: None

CREDIT: 2

Students will explore basics of both literature and composition in this yearlong course. The study of literature focuses on studying various genres such as the novel, short-story, non-fiction, and drama. Writing skills spread throughout the year will focus on sentence structure and the writing process. Students will write often using the MEL-Con structure including beginning research that blends aspects of literature and writing into a cohesive understanding of literacy.

EHFRE HONORS FRESHMEN ENGLISH

GRADE LEVEL: 9

RECOMMENDED: Teacher recommendation

CREDIT: 2

In this college preparatory course, students will acquire knowledge of literary terms and devices relevant to a deep investigation of various genres of literature. Students will demonstrate their understanding through comprehensive analytical essays and self-reflections. Students will expand on a basic grasp of grammar while developing more mature writing skills.

ENG10 ENGLISH 10

GRADE LEVEL: 10

RECOMMENDED: Teacher Recommendation

CREDIT: 2

This course has a reading comprehension strategies focus. This course will cover topics relevant to both literature and composition. Genres studied will include the short story, the novel, drama and poetry. Emphasis will be placed on student reflection on literature, vocabulary development, and improving writing skills. Students will write often using the MEL-Con format to assist with essay organization. Independent and supported reading will be experienced.

ESOENG SOPHOMORE ENGLISH

GRADE LEVEL: 10

RECOMMENDED: Freshman English

CREDIT: 2

This course blends all aspects of literacy into a yearlong course. Students will explore World Literature through selected poems, drama, short stories, and a novel. While reading, students will also gain skills in writing to improve their usage of parts of speech, parts of sentence, phrases and clauses, types of sentences, punctuation, and vocabulary. Both reading and writing elements will result in the composition of multiple essays in MEL-Con structure and will include research papers following the APA format.

EHSOP HONORS SOPHOMORE ENGLISH

GRADE LEVEL: 10

RECOMMENDED: Teacher recommendation

CREDIT: 2

In this college preparatory course, students will explore connections among various cultures' literature. More than a survey of world literature, this course dives deeply into the values and characteristics of the societies that created the stories. Building upon the writing skills developed previously, sophomore writers will create a wider variety of more complex sentences within their compositions.

ENG11 ENGLISH 11

GRADE LEVEL: 11

RECOMMENDED: Teacher Recommendation

CREDIT: 2

This year-long course will build on skills gained in English 9 and 10 by presenting students with a wide variety of composition and literary opportunities. Specifically, students will increase their grammar skills, broaden their vocabulary, and improve their communication ability. Additionally, students will also gain an understanding of American literary history through reading selected texts, completing various projects, and responding to critical questions such as “What does it mean to be an American?” Student achievement will be measured through activities, compositions, quizzes, projects, and tests.

EJRENG JUNIOR ENGLISH

GRADE LEVEL: 11

RECOMMENDED: Sophomore English

CREDIT: 2

Junior Literature explores American literature through several movements beginning with Pre-Columbian Native American creation stories through present day Post-Modernism. Students will discover each movement’s unique characteristics that reveal Americans’ values and culture. With a focus on higher-order, critical, and creative thinking as well as an aggressive reading pace, this course solidly exposes students for the rigors of college preparatory exams. Composition units are designed to prepare students for the ACT exam. Writing focus will include advanced grammar, punctuation, and sentence structures. Writing will include exercises in MEL-Con paragraphs, persuasive, and expository writing styles. Writing skills will be enhanced through an emphasis on coherent, clearly organized papers in academic genres.

EAPLIT AP ENGLISH LITERATURE AND COMPOSITION

GRADE LEVEL: 11-12

RECOMMENDED: Teacher recommendation

CREDIT: 2

An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work’s structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone.

Students entering this course must have the initial expectation that they will read, contemplate, and write about literature extensively. We will write an essay every two weeks or so (in analytical, argumentative, and expository forms) and will read every day (novels, drama, short stories, and poems). Students must be willing to challenge and justify their understandings, attempt to see other perspectives, and discuss ideas in a mature and lively manner.

After completing this course, students are encouraged to take the Advanced Placement English Literature and Composition exam given by the College Board. **A summer reading and writing project is required and due on the first day of school. It will be graded and count toward the first quarter grade.**

EACOMS APPLIED COMMUNICATION SKILLS

GRADE LEVEL: 12

CREDIT: 1

This course treats in a practical and applied manner the spectrum of communication skills necessary to function successfully in a career field with writing fundamentals, business correspondence, telephone courtesy, listening skills, and oral communication. Also job-seeking skills: resume, letter of application and interview.

**Transcripted Credit Course: Students who successfully complete this course with a C or above will receive college credit at Western Technical College. **

EADCOM ADVANCED COMPOSITION/ENGLISH 101 (DUAL CREDIT)

GRADE LEVEL: 12

RECOMMENDED: Successful completion of Junior English or AP English Literature and Composition

CREDIT: 1 (Optional dual credit with UW-Richland)

Advanced Composition is a college preparation course designed to reinforce writing skills developed in other classes and to develop individual style in writing. Emphasis will be placed on reflection and development of writing literacy, analytical writing, and rhetoric. Types of writing will include expository research essay, persuasive research essay, and analytical research essay papers, personal responses to literature. A high quality of writing and personal responsibility is expected from each student. Please see the UW-Richland Academic Alliance 2.0 Program page in this book for more information.

EBRLIT BRITISH LITERATURE

GRADE LEVEL: 12

CREDIT: 1

Have you ever been curious and wanted to learn about Dante's *Inferno* and his description of the underworld? Do you like stories about knights in shining armor battling monsters to save a damsel in distress? Then British Literature is for you! This course covers the Anglo-Saxon Period to the end of England's Age of Reason, and will strengthen a student's critical analysis skills through reading, writing, and multimedia presentations.

EWKIT CREATIVE WRITING

GRADE LEVEL: 12

CREDIT: 1

This course will allow students to explore the culture of imaginative writing on a daily basis. Included in the students daily writing collection will be poetry, reflections, short stories, and dialogues among other creative challenges. Many of these written pieces will be shared. Conventions, fluency, and organization of various creative writing genres is expected.

EEASTL EASTERN LITERATURE

GRADE LEVEL: 12

CREDIT: 1

Including activities that allow the student to be involved with art, music, language, religion, and geography, this class will explore the importance of various Eastern cultures through the literature which reflects the importance of each. Short stories, poetry, drama and novels will be read and discussed to emphasize an understanding of the East.

EWRITE E-WRITING FOR THE 21ST CENTURY

GRADE LEVEL: 12

CREDIT: 1

E-writing for the 21st century will prepare students to meet the writing demands of a technologically focused world. By writing articles for an on-line school newspaper, students will become familiar with how news and information is written, collaborated on, and published using web-based technologies. Students will continue to focus on clear writing while balancing journalistic and ethical concerns with the need to present unbiased news to the school community.

EGENCO GENERAL COMMUNICATIONS

GRADE LEVEL: 12

CREDIT: 1

This media survey course will analyze all aspects of mass communication to enhance the student's understanding of how media shapes lives and influence decisions. Areas of study will include media history, including movies, radio, and television; television programming; print media; movies; current-day radio; computer technology; and the internet. Students will watch clips and full-length episodes. Tests, quizzes, discussions, and daily assignments will be utilized to monitor student progress.

EGREAT GREAT NOVELS

GRADE LEVEL: 12

CREDIT: 1

Through the study of a variety of classical novels, students will become familiar with famous fictional characters, settings and plots. Biographical information on authors, literary terms and vocabulary will enhance an understanding of the works. Class discussions will emphasize the universal themes found in major works of literature. Intense reading is required.

ELIT LITERATURE IN THE HISTORICAL CONTEXT

GRADE LEVEL: 12

CREDITS: 1

In this unique course co-taught by instructors from English and Social Studies students will explore literature through the history that created it. For example, we will look at the Crusades through the epic "Song of Roland" and examine the Wars of the Roses through Richard III, all the while learning various critical approaches to literature and history usually taught at a college level.

ESERLE SERVICE LEARNING ENGLISH

GRADE LEVEL: 12

CREDIT: 1

Community Connection to Service Learning applies academic principles with service learning principles to provide students with an all-encompassing learning experience. Students will engage in research, reflection, in-class discussions, service learning in the community, a formal presentation, and discussions with guest speakers from our community during this semester long course. Hours of service learning acquired during the school day will not count towards the service learning requirement for graduation.

ESPCH SPEECH

GRADE LEVEL: 12

CREDIT: 1

The purpose of the course is to learn debate/panel procedures, oral reading and speaking principles. The importance of articulation, pronunciation and the good choice of words as well as manner of delivery of oral communication are stressed in this course. The individual student shall have the opportunity to learn to project ideas and to communicate to a group of listeners without fear. The class proposes to give the individual confidence in his own ability to appear before a group and to teach students to listen to everyone.

EWRCOM WRITTEN COMMUNICATION

GRADE LEVEL: 12

CREDIT: 1

Students use the writing process to complete written projects. In the process of doing so, students analyze audience and purpose; generate ideas for writing; employ appropriate rhetorical strategies; research, synthesize, and organize information; use an approved documentation system for research writing; use technology to format documents appropriately; and follow grammar and punctuation rules.

* Advanced Standing Course: Students who successfully complete this course with a B or above will not have to take Keyboarding Fundamentals at Western Technical College.*

FAMILY AND CONSUMER SCIENCE DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	TE	CTEERS
FOODI	Introduction to Foods (recommended for Creative Foods)	X	X	X	X	S		19.05 F
FFOOD1	Creative Foods (formerly Foods 1 & recommended for Adv. Creative Foods)		X	X	X	S		19.05 F
FFOOD2	Advanced Creative Foods (formerly Foods 2)		X	X	X	S		19.05 F
FHUMRE	Human Relations (recommended for Family & Community Coop)		X	X	X	S		19.07 F
FPARNT	Parents and Children (Recommended for Child Care I)		X	X	X	S		19.07 F
FCHIL1	Child Care I Child Development (recommended for Child Care II and Child Care Coop)			X	X	S	**	19.07 F
FCHIL2	Child Care II - Assistant Child Care Teacher			X	X	S	*	19.07 F
FFABB	Beginning Fashion & Fabrics	X	X	X	X	S		19.07 F
FFABA	Advanced Fashion & Fabrics (recommended Beg. Fashion & Fabrics)	X	X	X	X	S		19.07 F
FFAMIL	Work Based Learning			X	X	Y		19.07 F

S – Semester Course

Y – Year Course

* Advanced Standing with Western Technical College

** Transcribed Credit Course: Students who successfully complete this course with a C or above will receive college credit at Western Technical College.

CHILD CARE SERVICES SEQUENCE

Courses in the Child Care Service sequence:

- Parents and Children—Intro to Child Development Course
- Child Care I-Child Development -Intermediate Course
- Child Care II-Assistant Child Care Teacher--Advanced Course
- Child Care Coop & Employability Skills --Work Experience & Related Classroom Instruction

Family and Consumer Education students who participate in school –supervised, work-based learning programs in childcare services have opportunities to learn employability skills and occupational skills related to their high school courses. These opportunities reinforce the connection between work and school, provide a chance for meaningful contact with adults and mentors, improve students chance s for successful employment as young adults, promote post-secondary education and help solidify career interests. Students who successfully complete childcare II are eligible for the Assistant Child Care Teacher certification and students who complete the requirements for Child Care Coop are eligible for the Child Care Teacher Certificate. These programs are endorsed by the Department of Health and Family Services (DHFS), Wisconsin Department of Public Instruction (DPI), Wisconsin Child Care Administrators Association, Wisconsin Early Childhood Association, and FCCLA-Family, Career and Community Leaders of America

FOOD SERVICE SEQUENCE

Courses in the Food Service sequence:

- | | |
|-------------------------|---------------------|
| Introduction to Foods | Introductory Course |
| Creative Foods | Intermediate Course |
| Advanced Creative Foods | Advanced Course |

Today’s food service industry offers career opportunities in anything from professional wait staff and executive chefs to dietitians and managerial positions in restaurant corporations. It is one of the fastest growing industries in the United States with the number of managerial positions expected to increase by 33% over the next 10 years. Other job opportunities available in food service include cooks, bakers, food decorators, food scientists, caterers, institutional food personnel and much more at a wide variety of skill and education levels as well as wage levels.

In the food service sequence, it is required that students begin with Introduction to Foods as a freshman, or sophomore and the sophomore or junior year with Food Service I & II and junior or senior year with Foods III, and lastly senior year Co-op in a food service related occupation and Employability Skills Class.

Students are strongly encouraged to have membership in the FCCLA organization. FCCLA helps students explore planning and goal setting techniques as well as providing great opportunities to put the things learned in Family and Consumer Science Classes to use by becoming involved in competitive events and community service projects.

The sequence of courses has been articulated with Western Technical College. Students successfully completing the sequence will be given college credit through Western Technical College.

FOOD1 INTRODUCTION TO FOODS

GRADE LEVEL: 9-12

RECOMMENDED: None

CREDIT: 1

Do you like to eat and prepare food? If yes, this course is for you. This course explores food preparation and nutrition. Emphasis is strongly placed on safety and sanitation in and out of the kitchens, terminology, conversions, recipe reviewing, and food preparation. Students will be able to demonstrate safety and sanitation in the labs while preparing food by following sanitation techniques as they learn how to prepare a dish by following a recipe properly. We begin with safety and sanitation and make our way through all the food groups including learning about the nutritional value of each group, how they help for our bodies and how to prepare foods using those food groups. Students have the opportunity to explore FCCLA-Family, Career and Community Leaders of America and gain a better understanding of the organization and how they can be involved. There is a lab fee of \$15.00.

FFOOD1 CREATIVE FOODS (formerly Foods 1)

GRADE LEVEL: 10-12

RECOMMENDED: Introduction to Foods

CREDIT: 1

This class is the intermediate food class that introduces students to the food service industry. This course covers basic background information of food service that is needed to function successfully in food service occupations. Students will become familiar with job responsibilities, food production, safety and sanitation procedures, and service of common menu items through simulated experiences in the classroom (Labs). Projects include conducting career research, creating a menu, designing a formal invitation, grilling, and creating/producing an ad for selling a food product. Students have the opportunity to explore FCCLA-Family, Career and Community Leaders of America and gain a better understanding of the organization and how they can be involved with it. There is a lab fee of \$15.00.

FFOOD2 ADVANCED CREATIVE FOODS (formerly Foods 2)

GRADE LEVEL: 10-12

RECOMMENDED: Creative Foods

CREDIT: 1

This class is a continuation of Creative Foods. The career oriented class looks at what role you can play in the food service industry. This course is designed to expand the knowledge and techniques you would use in the foodservice industry. Students will work at mastering additional food production skills. Areas of study will include: creating a table setting and folding napkins, yeast breads, candy, cake decoration, pastries, pies, tarts, deep fried foods, and cultural food research students have the opportunity to explore FCCLA-Family, Career and Community Leaders of America and gain a better understanding of the organization and how they can be involved with it. There is a lab fee of \$15.00

FHUMRE HUMAN RELATIONS

GRADE LEVEL: 10-12

RECOMMENDED: None

CREDIT: 1

This course is about you! Learn to understand how and why you are who you are, others and your relationships. Learn to develop communication skills, resolve conflicts, cope with life situations and improve your chances for successful friendships, a successful relationship, and family life in our ever-changing society. Explore human development and sexuality, the life-cycle, personality, emotions, the role that family and lifestyle have had in your life and the way in which they influence your future. Gain an understanding about your personal finances. Learn what marriage is about and how to plan for it. Explore independent living skills to prepare for your future.

FPARNT PARENTS AND CHILDREN

GRADE LEVEL: 10-12

RECOMMENDED: None

CREDIT: 1

This course is about life. At some point in your life you may become a parent or care for children in some capacity. Many responsibilities and challenges are a part of caring for children appropriately and effectively. This course is designed to explore ideas and expectations about child development, parenting and families and children in our society. Learn about what to consider before pregnancy, prenatal care, the birth experience, care of infants and children, and the development and care of young children. Styles of parenting, family interaction, teen parenting, and family issues will also be covered. This course is an excellent choice for you if you plan to pursue a career in childcare, education, human services, medical field or working with children in any capacity. (This class provides an opportunity to experience the infant simulator, which is optional.)

FCHIL1 CHILD CARE I – CHILD DEVELOPMENT

GRADE LEVEL: 11-12

RECOMMENDED: Parents and Children

CREDIT: 1

Child development is the focus with emphasis on basic information about the childcare industry and related careers. Units covered include Principles of Development, Physical, Social, Emotional, and Intellectual Development. This course is recommended for students who are interested in working with children in any capacity, whether it be parenting, working in the childcare industry or in a professional or technical career involving career children. The roles of the childcare workers, types of programs, good learning environments, health and safety, child abuse, nutrition and learning activities for children are some of the topics covered. Projects include creating learning activities for young children and the mini curriculum projects. This course is recommended for the Child Care II course (Assistant Child Care Teacher).

**Transcribed Credit Course: Students who successfully complete this course with a C or above will receive college credit at Western Technical College. **

FCHIL2 CHILD CARE II-ASSISTANT CHILD CARE TEACHER

GRADE LEVEL: 11-12

RECOMMENDED: Parents and Children & Child Care I

CREDIT: 1

This is an advanced level course certified by the State of Wisconsin. When a student successfully completes all the requirements they are eligible for the Assistant Child Care Teacher certificate from the Department of Public Instruction. This will allow a student to work in a licensed day care at age 17 as an assistant child care teacher. Enrollment standards include: students must be 17 years old at the time the course is completed or during the summer following completion, a potential career interest in working with children within the child care industry, elementary education or in a professional or technical career involving children. This course will include units on creating a classroom environment, interacting with children, keeping anecdotal records, and completing professional development. Projects include: creating portfolios on themed lessons for children between kindergarten-3rd grade, creating a child care center, and observing in the elementary schools.

* With a B or higher they can qualify for a child care assistance license under DPI*

FFABB BEGINNING FASHION & FABRICS

GRADE LEVEL: 9-12

RECOMMENDED: None

CREDIT: 1

Do you like being creative and following fashion? Would you like to learn how to sew and make your own items? If so, then you will enjoy this course. We will explore how to hand sew: buttons, different stitches, felt monsters, and hemming. We will then move into sewing terminology that relates to the sewing machine, patterns, and fabrics. Students will take what they have learned about sewing and make pillowcases, hats, mittens, aprons, robes, pajama pants, handbags, and possibly a quillow (blanket that folds into a pillow). There is also the opportunity to make items as community service projects, like bibs and burp rags to donate to hospitals, or hats and mittens to those in need. A sewing kit (\$5-\$10) and all project materials will need to be purchased by the student as these items become yours once you complete it and have it graded. Total semester expenditures for this course are approximately \$75-\$100.

FFABA ADVANCED FASHION & FABRICS

GRADE LEVEL: 9-12

RECOMMENDED: Beginning Fashion & Fabrics

CREDIT: 1

This course is a continuation of Beginning Fashion and Fabrics. Students will use their past sewing skills to now create clothing items such as pants, shirts, blouses, skirts, or a dress, items that need a little more time and skill to make. Students will also learn about fashion elements and principles of design, along with trends, fashion history, and the fashion industry. Requirements for sewing projects must include zippers, buttons/buttonholes, waistbands, etc. Total semester expenditures for this course are \$60-\$100.

FFAMIL WORK BASED LEARNING

Cooperative (Co-op) Education Program

GRADE LEVEL: 12

RECOMMENDED: Required CTE courses

REQUIRED OR ELECTIVE: Elective

CREDIT: 2

Co-op is a school-supervised work experience offered to seniors. This program provides the student authentic experiences in the world of work combined with related classroom instruction. The student may be released for a portion of the school day to work at one of the cooperating businesses. A work-based training plan includes competencies that the student works to achieve through the work experience. The cooperating businesses and coordinating teacher will train, supervise and evaluate the student's workplace experience based on job requirements and the training plan. Cooperative educational programs are offered in the following career and technical education (CTE) content areas:

- Agriculture
- Business and Information Technology (Business & Marketing)
- Family and Consumer Science (Child Care Service, Food Service, Family & Community Service)
- Technology Education

**The student must be enrolled concurrently in the Employability Skills course with the Business department..*

**A student may participate in co-op without being released during the school day to work.*

Youth Apprenticeship

GRADE LEVEL: 11-12

REQUIREMENT: FOUR CLASSES PRIOR/CONCURRENTLY IN RELATED FIELD which includes ENROLLMENT IN THE EMPLOYABILITY SKILLS CLASS

CREDIT: 2

Mentored Hands-On Training. Youth Apprenticeship, a nationally recognized Wisconsin state school-to-work program, has returned to Sparta High School. This program is geared toward the junior or senior high school student who wants to experience hands-on learning at the worksite in conjunction with classroom instruction. This rigorous one or two year elective program combines academic and technical instruction with mentored on-the-job training that assists the student in making real world connections in the work place. Additional benefits for the student include receiving class credit while working during and/or after school hours and receiving a Certificate of Occupational Proficiency from the Wisconsin Department of Workforce Development. Students may be released a portion of the school day to work at one of the mentoring businesses. Youth Apprenticeship training options are available in the following areas: *Auto Collision or Technician, Biotechnology, Financial Services, Drafting and Design, Graphic Arts/Printing, Health Services, Industrial Equipment, Computer Science, Networking, Insurance, Hospitality, Lodging and Tourism, Logistics (Freight Movement), Production Agriculture (animals and soils/crops, and Welding*

**Subject to relevant employer participation*

A student may participate in the YA program without being released during the school day to work.Transcribed Credit

Course: Students who successfully complete this course with a C or above will receive college credit at Western Technical College.

HEALTH DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	TE
HHEAL	Health (Req) Also Available Online	X				S	
HHEAI	Health Issues		X	X	X	S	
HEACA	Health Careers		X	X	X	S	

S – Semester Course

TE – Technology Emphasis Course

HHEAL HEALTH (Also Available Online)

GRADE LEVEL: 9

RECOMMENDED: None

CREDIT: 1

How can I address the total well-being of my mind and body? Health is a course that helps us to make wise decisions regarding our mind and body positively influences our attitudes and behavior involving critical areas of human development. We will explore body systems, disease prevention, human wellness and consumer health. This class will help you to appreciate your good health and will hopefully steer you toward optimal health. This course is also available online when a student is taking the following courses freshman year: Band, Choir and a World Language.

HHEAI HEALTH ISSUES

GRADE LEVEL: 10-12

RECOMMENDED: Health

CREDIT: 1

People who keep up with current health trends tend to make wiser choices regarding their health and well-being. Medical technology will be one of many important focuses in this class. You will learn to appreciate the many choices you can make regarding your health and your future. Today, medical technology has enhanced our ability to prevent diseases and other health problems. We will not only learn how to increase our life span, but we will learn how to live our lives to the fullest. Students will also have the opportunity to become trained and certified in CPR and First Aid.

HEACA HEALTH CAREERS

GRADE LEVEL: 10-12

RECOMMENDED: 9th Grade Health

CREDIT: 1

Are you interested in assuming a health-related career someday? How would you feel about a career that is high paying, satisfying, in large demand, and offers the ability to locate anywhere? In Health Careers class, we will prepare you for the many areas of need in the health and medical field. You will also be one step ahead of others with CPR/First Aid training and certification. You will have the opportunity to meet health professionals in our classroom and learn what it takes to successfully complete a program to become a health or medical professional. Computer skills, creative problem solving, and current trends in medicine will be the focus of our Health Careers course.

MATHEMATICS DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	TE
MAALG	Applied Algebra	X	X			Y	
MALG1	Algebra 1	X	X	X	X	Y	
MAGEO	Applied Geometry		X	X	X	Y	
MGEOM	Geometry	X	X	X	X	Y	
MHGEOM	Honors Geometry	X	X			Y	
MALG15	Algebra 1.5			X	X	Y	
MALG2	Algebra 2		X	X	X	Y	
MCALCP	Pre-Calculus			X	X	Y	
MAPCAL	AP Calculus				X	Y	
MASTAT	Statistics			X	X	S	
MAPRO1	Computer Programming I		X	X	X	S	
MAPRO2	Computer Programming II		X	X	X	S	
MALSKI	Life Skills				X	Y	
	*See course description for recommendations						

S – Semester Course
Y – Year Course

Sample Paths	9th Grade	10th Grade	11th Grade	12th Grade
<u>Minimum Requirements</u>	Applied Algebra (teacher recommendation)	Applied Geometry	Algebra 1.5	
<u>Western Technical College</u>	Algebra 1	Geometry	Algebra 1.5 or Algebra 2	
<u>4-Year Universities</u>	Algebra 1	Geometry	Algebra 2	Pre-Calculus
<u>Competitive 4-Year Universities</u>	Honors Geometry (teacher recommendation)	Algebra 2	Pre-Calculus	AP Calculus

Algebra 2 students and above may check-out TI-83+ calculators from the LMC. A limited number of calculators are available.

MAALG APPLIED ALGEBRA

GRADE LEVEL: 9-10

CREDITS: 2

Applied Algebra will cover a variety of areas, including topics in numerical operations (fractions, decimals, percents/ratios, etc.) geometry, probability and statistics, logical thinking and problem-solving skills and introductory algebra concepts. The course will also offer enrichment and lab activities to explore topics further. Successful completion of this course will prepare students to take Applied Geometry the following year.

MALG1 ALGEBRA 1

GRADE LEVEL: 9-10

CREDITS: 2

Algebra is a symbolic extension of arithmetic and allows you to solve more complex problems that would be impossible using ordinary arithmetic. Algebra is a fundamental course in mathematics and is the foundation for all higher-level mathematics and science courses. The focus of algebra is on simplifying algebraic expressions, solving equations and inequalities and working with simple functions such as linear and quadratic functions. Students will gain experience with graphing functions and using graphing as a solution technique for problem solving. Solving problems by translating the written problem into algebraic symbolic language is emphasized. Students will learn a three-prong approach to problem solving by utilizing numerical, algebraic and graphical techniques. Graphing calculator technology may be integrated into the course. A scientific, non-graphing, calculator is REQUIRED for this course.

MAGEO APPLIED GEOMETRY

GRADE LEVEL: 10-12

RECOMMENDED: Applied Algebra or Algebra 1

CREDITS: 2

Applied Geometry places more of an emphasis on practical applications of geometric principles and less emphasis on theory. Topics will include the study of lines, angles and shapes as well as the development of logical thinking and problem-solving skills. Students will utilize the computer program Sketchpad to construct and investigate geometric shapes and relationships. A scientific, non-graphing, calculator is REQUIRED for this course.

MGEOM GEOMETRY

GRADE LEVEL: 10-12

RECOMMENDED: Algebra 1 (Grade of C or better strongly recommended)

CREDITS: 2

Geometry is a course designed for those who plan to attend college and those who plan a career in industrial occupations. Among the benefits derived from a study of geometry are development of independent thinking and problem solving skills and the appreciation of geometric forms in our environment. Proofs are introduced to stimulate original and logical thought. Students will utilize the computer program Sketchpad to construct and investigate geometric shapes and relationships. Problem solving skills will also be emphasized. Most colleges require Algebra, Geometry and Algebra 2 for admission. A scientific, non-graphing, calculator is REQUIRED for this course. Incoming freshmen must have earned a B or better in 8th grade Algebra I in order to take Geometry as a freshman.

MHGEOM HONORS GEOMETRY

GRADE LEVEL: 9-10

RECOMMENDED: Algebra 1 or 8th Grade Algebra (Grade of B or better in Algebra 1 is required)

CREDITS: 2

Honors geometry is a course designed for students with inquisitive minds and those who enjoy a challenge. The content of this class is similar to geometry. Some topics are covered in more depth and this class covers additional material not in the geometry course. Students in this class will develop their independent thinking and problem solving skills. The rigor and logic of proofs are stressed to stimulate original and logical thought. Students will utilize the computer program Sketchpad to construct and investigate geometric shapes and relationships. Problem solving skills will also be emphasized. Most colleges require a minimum of Algebra 1, Geometry and Algebra 2 for admission. A scientific, non-graphing, calculator is REQUIRED for this course.

MALG15 ALGEBRA 1.5

GRADE LEVEL: 11-12 (Teacher recommendation)

CREDITS: 2

• Note: This course may not satisfy the entrance requirements of four-year colleges or universities who require three (or four) years of mathematics.

Algebra 1.5 is designed to promote success in Algebra 2 as an extension of Algebra 1. The course is designed for students who may have struggled in Algebra 1 (and perhaps Geometry) and who need some additional work on their fundamental algebra skills before moving on to Algebra 2.

Topics covered will review and expand those covered in Algebra 1 and the fundamentals of Geometry. Successful completion of this course will also help students prepare for their college entrance exams and assist students in becoming college and career-ready.

MALG2 ALGEBRA 2

GRADE LEVEL: 10-12

RECOMMENDED: Grade of C or better in Algebra 1 and Geometry

CREDITS: 2

Topics for this course include a review of Algebra 1 topics, solving equations, solving linear systems, matrices, functions (linear, rational, polynomial, logarithmic and exponential), properties and applications of logarithms and exponentials and trigonometry. There is a strong emphasis on problem solving techniques with exposure to many types of non-typical problems. Students should follow this course with either pre-calculus or statistics for a well-rounded experience in mathematics. Most four-year colleges require Algebra 1, Geometry and Algebra 2 for admission. The graphing calculator and computer are used extensively in Algebra 2. Consequently, a graphing calculator is REQUIRED for this course. A TI-83 Plus is recommended.

MCALCP PRE-CALCULUS

GRADE LEVEL: 11-12

RECOMMENDED: Algebra 2 (Grade of C or better in Algebra 2 is recommended)

CREDITS: 2

Pre-Calculus is designed for those students planning to continue their study of mathematics or the sciences in college. This course is intended to prepare students for calculus. Pre-Calculus is a course that will give the student a familiarization with many topics in mathematics. These topics include sequences, series, limits, polynomial, exponential, and logarithmic functions. The application of these functions to real world situations is stressed. Students will also further their knowledge of trigonometry using a circular function approach. A graphing calculator is REQUIRED for this course. A TI-83 Plus is recommended.

MAPCAL AP CALCULUS

GRADE LEVEL: 12

RECOMMENDED: Pre-Calculus (Grade of C)

CREDITS: 2

This course is intended for students who have a thorough knowledge of algebra, geometry, trigonometry, and elementary functions. A.P. Calculus is equivalent to the first semester of college calculus and covers the following topics: elementary functions and their properties (algebraic, rational, trigonometric, exponential and logarithmic), limits, continuity, derivatives, applications of the derivative, integrals, applications of integrals, techniques of integration, definite integrals and elementary differential equations. The ultimate goal of this course is to prepare students for the advanced placement test so they may receive college credit for first semester calculus. A graphing calculator is REQUIRED for this course. A TI-83 Plus is recommended.

MASTAT STATISTICS

GRADE LEVEL: 11-12

RECOMMENDED: Algebra 2

CREDITS: 1

The statistics course is an overview of the techniques used to collect and evaluate data. The students will study and learn evaluative data analysis techniques that involve both algebraic and graphic methods. Included in this course is an introduction to probability and its application to statistical analysis. Simulations of physical phenomenon using the computer and graphic calculator are often utilized. The students will also study the following topics: valid methods of sampling a population, analysis of sample statistics, making predictions about a population from sample statistics and determining a level of confidence in one's conclusions. There will be an emphasis on the use of technology for doing statistical analysis and simulations. This course will give you the necessary background to apply and use statistical procedures in the work place and will provide a foundation for higher-level statistics courses at the college level.

MAPRO1 COMPUTER PROGRAMMING 1

GRADE LEVEL: 10-12

RECOMMENDED: Algebra 1

CREDITS: 1

Students will learn the basics of computer programming using C++ in this hands-on class. Components of the course will include program development, program structure, and program syntax. Students will follow the steps for creating a program: specification, design, coding and testing/debugging. Program code will include variables, constants, logic statements, loops and mathematical formulas. Successful completion of this course will provide the student with a better understanding of the basics of programming as well as improve his/her logical reasoning skills.

MAPRO2 COMPUTER PROGRAMMING 2

GRADE LEVEL: 10-12

PREREQUISITE: Computer Programming 1

CREDITS: 1

This course, using C++, is a continuation of Computer Programming 1. The course will begin with a review of Computer Programming 1 concepts. The students will then write programs using sequential access files, random access files, variable arrays and database use. This course will provide the student with a good background in programming and prepare him/her for a computer programming course at the college level.

MALSKI LIFE SKILLS MATH

GRADE LEVEL: 12

RECOMMENDED: None

CREDITS: 2

Do you know the best way to finance a car? Why are they taking so much out of your paycheck? How can you pay less in taxes? What is the difference between term and whole life insurance? This consumer-oriented course will help you learn the answers to these and many other questions that you may have. If you have not thought about these questions yet, you will be dealing with them soon and will be glad that you already know the answers. Through the use of group projects, daily lessons and guest speakers you will learn the essential math and problem-solving skills required to effectively manage your financial future. If you plan on making money in the future, then this class is for you.

MISCELLANEOUS

MIAVID AVID

GRADE LEVEL: 9

RECOMMENDED: Application process

CREDIT: 2

The AVID Elective is the core of AVID Secondary. It targets students in the academic middle–B, C, and even D students—with the desire to go to college and the willingness to work hard. Typically, they will be the first in their families to attend college, and come from groups traditionally underrepresented in higher education. These are students who are capable of completing rigorous curriculum but are falling short of their potential. AVID places these students on the college track, requiring them to enroll in their school’s toughest courses, such as Honors and Advanced Placement®. To support them in the rigorous coursework, AVID students learn organizational and study skills, develop critical thinking, learn to ask probing questions, receive academic help from peers and college tutors, and participate in enrichment and motivational activities to make their college dreams reality.

MILIBR LIBRARY SCIENCE

GRADE LEVEL: 10-12

RECOMMENDED: Approval by LMC Director

CREDIT: .5

The general objectives of Library Science are to train students to meet the foremost purpose of a high school LMC - that of giving “service” to its school and to train students in basic library skills for their own individual use in school, college or career. A second year in Library Science provides practical application of compiling bibliographies, simple researching, easy reference, clerical desk and periodical work, knowledge of word processing, use of printers and on-line searching, typing of reports, bibliographies and lists for teachers.

MIASST TEACHER'S ASSISTANT

GRADE LEVEL: 11-12

RECOMMENDED: Approval by department

CREDIT: .5

The general objective of a teacher’s assistant is to give high school students interested in the education field the opportunity to work in the classroom. The students will work with the teachers, teacher assistants and students. This opportunity will provide you with a practical experience and train you with the skills necessary in education.

MIOFF OFFICE WORKER

GRADE LEVEL: 11-12

RECOMMENDED: Approval by Guidance staff

CREDIT: .5

The general objective of an office worker is to assist the Main Office and/or Guidance office with daily tasks such as running passes, filing paperwork, completing special projects as assigned, and greeting visitors. Students must be professional and a self-directed learner. This opportunity will provide you with office experience and customer service skills.

MUSIC DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	TE
MUCHOM	Mixed Chorus (Open to all)	X	X	X	X	Y	
MUCHOT	Treble Choir (by audition)	X	X	X	X	Y	
MUCHAM	Chamber Choir (by audition)		X	X	X	Y	
MUVOC	Vocal Jazz/SHE (by audition)		X	X	X	Y	
MU170	Foundations of Music			X	X	S	
MUCONB	Concert Band	X	X	X	X	Y	
MUBANS	Symphonic Band (by audition)		X	X	X	Y	
MUBANJ	Jazz Band (by audition)	X	X	X	X	Y	

S – Semester Course
Y – Year Course

Music Department Activities:

Show Choir	Pep Band	Large Group Festival
Variety Show	Marching Band	Fall, Spring, and Holiday Concerts
Musical	Solo/Ensemble Festival	Vocal Jazz/Jazz Band Festivals
Colorguard	Music Department Trips	Concert Event Trips
Winterguard		

MUCHOM MIXED CHORUS

GRADE LEVEL: 9-12
RECOMMENDED: None
CREDIT: 2

Mixed Chorus is a yearlong major performing organization and is offered to all students. Concepts pertaining to the development of the male and female vocal instrument within various musical styles will be stressed. Successful performance and understanding of three to four part choral literature will be the goal. Students will build upon their musical technique, including style, tone quality, expression, balance, blend and choral diction. This ensemble is required to perform at several large group concerts throughout the year including Fall Folk Fest, Holiday Concert, District Music Festival and Spring Concert. These performances are scheduled in the evening, are required, and are a major part of the student’s quarter grade. Chorus members will have the opportunity to build on their talents by participating in District and State Solo and Ensemble Festivals, Madrigal Feasts and Show Choir. Mixed Chorus is designed to prepare the student for advancement to Chamber Choir or Treble Choir.

MUCHOT TREBLE CHOIR

GRADE LEVEL: 9-12
RECOMMENDED: Consent of instructor; audition is required
CREDIT: 2

Treble Choir is a yearlong major performing organization and is offered to select students in grades 9-12. Treble Choir is designed for singers with upper-register voices who can demonstrate proper vocal technique and music reading skills. Members have the opportunity to build on their talents by being a part of Show Choir, Vocal Jazz, SHE, Chamber Choir, and District and State Solo & Ensemble Festivals. Concepts in ear training, solfege and the development of the voice in the choral style are stressed with independent music skills being the goal. This ensemble is required to perform at several large group concerts throughout the year, including Fall Folk Fest, Holiday Concert, District Music Festival and Spring Concert. These performances, scheduled in the evening, are required, and are a major part of the student’s quarter grade. Treble Choir and all of the related musical activities are provided so that students may enjoy a well-rounded educational experience. Students are welcome to belong to more than one choir.

MUCHAM CHAMBER CHOIR

GRADE LEVEL: 9 -12
RECOMMENDED: Past member of Mixed Chorus, Treble Choir, or consent of instructor; audition is required
CREDIT: 2

Chamber Choir is a year-long major performing organization and is offered to select male and female students in grades 9-12 by audition only. Chamber Choir is a very select ensemble of accomplished singers. Members have the opportunity to build on their talents by being a part of District and State Solo & Ensemble Festivals and possible honor choir opportunities. Concepts of ear training, solfege, and the development of the voice in the choral style are stressed with independent music skills being the goal. This ensemble is required to perform at several large group concerts throughout the year, including the SHS Fall Concert, Holiday Concert, District Music Festival, and Spring Concert. These performances, scheduled in the evening, are required, and are a major part of the student’s quarter grade. Chamber Choir and all of the related musical activities are provided so that students may enjoy a well-rounded educational experience.

MUVOC VOCAL JAZZ/SHE

GRADE LEVEL: 10-12

RECOMMENDED: Audition is required

CREDIT: 2

This yearlong course is limited to 10-14 specially auditioned singers who have an interest in performing difficult literature for small ensemble. Students should be very comfortable with their solo singing voice and possess above average music reading and listening skills. Students will study the basic elements of vocal jazz during the first quarter in preparation for the Fall Concert; second quarter will be devoted to the study of challenging jazz festival literature, and holiday tunes and carols for community performances; during third and fourth quarter, both ensembles will participate in several vocal jazz festivals and community performances. This ensemble is required to perform at solo/ensemble festival, Holiday Concert, Fall Folk Fest, Spring Concert, Veteran's Day and several community functions. Students will also perform the "National Anthem" at several home-sporting events. This ensemble attends required jazz festivals out of district, and fees may be charged. Students are welcome to belong to more than one choir.

MU170 FOUNDATIONS OF MUSIC/MUSIC 170

GRADE LEVEL: 11-12

RECOMMENDED: Consent of instructor

CREDIT: 1 (Optional dual credit with UW-Richland)

This semester course is recommended for students who are either planning a career in music, or have the desire to develop their technical musical knowledge. The course will consist of independent study of music theory concepts including notation, chord structure, harmonic analysis, and scales and intervals. With the consent of the instructor, course programming may include accompanying, music transcription or jazz study. This course may be repeated. Students planning on college music major or minor are encouraged to take 2 semesters of music theory. Students must be self-sufficient and highly motivated for this independent study course.

MUCONB CONCERT BAND

GRADE LEVEL: 9-12

RECOMMENDED: None

CREDIT: 2

Concert Band is a yearlong major performing organization and is offered to all students. The Concert Band spends the first nine weeks of the year marching. This includes several in-town and out of town parades, as well as all home football games. After the marching season, Concert Band devotes the remainder of the year to the development of instrumental skills through individual lessons, sectional rehearsals, solo-ensemble festival, honors groups, as well as concert performances. This course is designed to prepare the student for advancement into the Symphonic Band. Pep Band is also required of all Concert Band members. Fees are charged for school owned instruments, reeds, oils, other music supplies, equipment, band polo shirt and marching shoes.

MUBANS SYMPHONIC BAND

GRADE LEVEL: 9-12

RECOMMENDED: Audition required

CREDIT: 2

Symphonic Band is a yearlong major performing organization and is available by audition. Symphonic Band spends the first nine weeks marching. This includes several in-town and out of town parades, as well as all home football games. After the marching season, Symphonic Band devotes the remainder of the year to the development of instrumental skills through individual lessons, sectional rehearsals, solo-ensemble festival, honors groups, as well as concert performances. Pep Band is also required of all Symphonic Band members. Fees are charged for school owned instruments, reeds, oils, other music supplies, equipment, band polo shirt and marching shoes.

MUBANJ JAZZ BAND

GRADE LEVEL: 9-12

RECOMMENDED: Audition is required

CREDIT: 2

The Jazz Band is a yearlong major performing ensemble consisting of 15-25 members. The course objectives are to experience, learn, understand, and develop, to the highest level, the many styles of jazz music. The Jazz Band performs during the school year at school, as well as in the community and surrounding areas. The Jazz Band participates in solo/ensemble festivals and attends college jazz festivals. Fees may be charged. Auditions may be required to insure balanced instrumentation. Purchase of a SHS Jazz Band performance shirt may be required.

PHYSICAL EDUCATION DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	TE
PE 1	Physical Education I (required for all 9 th graders)	X				S	
PELIFE	Lifetime Sports		X	X	X	S	
PETEAM	Team Sports		X	X	X	S	
PEINDV	Individual Sports		X	X	X	S	
PESTR	Strength/Speed Training		X	X	X	S	
PEFIT	Personal Fitness		X	X	X	S	

*Sparta High School is committed to fighting the obesity epidemic that is plaguing the youth today. All Physical Education classes at Sparta High School are very active and fitness-based and will include heart rate monitors for assessment purposes, fitness testing three times per semester, as well as fitness days.

PE 1 PHYSICAL EDUCATION I

GRADE LEVEL: 9

CREDIT: 1

PE 1 is the required freshman only class. Throughout the semester, students will focus on fitness, goal setting and units such as adventure education (climbing wall), flag football, bowling, inline skating, weight lifting and biking. Students will gain a sound understanding of fitness principles, nutrition and wellness concepts in order to prepare them for a lifetime of participation in physical activity. Students in the class will be very active. (\$20.00 out of pocket expense – bowling/skating).

PELIFE LIFETIME SPORTS

GRADE LEVEL: 10-12

CREDIT: 1

Lifetime sports is designed to help students explore activities that will keep them active throughout their lifetime. This class will include a variety of lifetime sports which include the climbing wall, biking, snowshoeing, archery, in-line skating, bowling, dance and lawn games. Many of the units will utilize the outdoors throughout the fall, winter and spring seasons so students should dress accordingly. (\$20.00 out of pocket expense – bowling/skating)

PETEAM TEAM SPORTS

GRADE LEVEL: 10-12

CREDIT: 1

Team sports will focus on team-based units including ultimate Frisbee, flag football, speedball, softball, soccer, volleyball, team handball, basketball, and floor hockey. Students will learn basic skills and strategies, as well as, advanced game play. Teamwork and sportsmanship are a large focus throughout each unit.

PEINDV INDIVIDUAL SPORTS

GRADE LEVEL: 10-12

CREDIT: 1

Individual Sports will focus on individual-based units including golf, biking, badminton, pickle ball, archery, bowling, in-line skating, field games, yoga and Pilates. Students will learn basic skills and strategies, as well as advanced game play. (\$20.00 out of pocket expense – bowling/skating)

PESTR STRENGTH/SPEED TRAINING

GRADE LEVEL: 10-12

CREDIT: 1

Students will be involved in fitness, strength and speed building programs to enhance their physical and mental well-being. This course will examine muscle development, flexibility, speed/agility and various fitness concepts. The class will meet student goals and needs through basic weightlifting concepts and etiquette. It will also be include speed development training. (\$12.00 minimum out of pocket expense – field trip to Fort McCoy)

PEFIT PERSONAL FITNESS

GRADE LEVEL: 10-12

CREDIT: 1

Personal Fitness is designed to teach and challenge students on how to exercise properly and get into great shape! Students will learn basic nutrition, fitness, and weightlifting concepts and principles that will help them achieve and maintain good health and wellness throughout their lifetime. This class is extremely active. Students enrolled in this will take part in vigorous physical activities such as running, interval training, circuit training and weightlifting. If you're looking to get into great shape, this is the class for you! (\$12.00 minimum out of pocket expense – field trip to Fort McCoy)

SCIENCE DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	TE
SCABIO	Applied Biology	X				Y	X
SCBIO1	Biology	X				Y	X
SCHBIO	Honors Biology	X				Y	X
SCACHE	Applied Chemistry		X			Y	X
SCCHEM	Chemistry		X			Y	X
SCHCHE	Honors Chemistry		X			Y	X
SCAPHY	Applied Physical Science			X		Y	X
SCPHY	Physics			X		Y	X
SCAPPH	AP Physics I			X		Y	X
SCANAT	Advanced Anatomy and Physiology/Biology 180			X	X	Y	X
SCAPBI	Advanced Biology/Biology 101			X	X	Y	X
SCAGEN	Advanced Genetics/Biology 141			X	X	Y	X
SCAPCH	AP Chemistry/Chemistry 145			X	X	Y	X
SCBIOC	Biochemistry			X	X	Y	X
SCCRIM	Criminalistics			X	X	S	X
SCENV5	Environmental Science			X	X	S	X

<u>Sample Paths</u>	9th Grade	10th Grade	11th Grade	12th Grade
<u>Minimum Requirements</u>	Biology	Chemistry	Physics	
<u>Western Technical College (Health Science Path)</u>	Biology	Chemistry	Physics	Biochemistry and Anatomy & Physiology
<u>4-Year Universities</u>	Biology	Chemistry	Physics	Science Elective
<u>Competitive 4-Year Universities</u>	Honors Biology	Honors Chemistry & AP Physics I	Advanced Biology	Advanced Chemistry

SCABIO APPLIED BIOLOGY

GRADE LEVEL: 9

CREDIT: 2

Applied Biology is similar to the topics of Biology with emphasis on project based learning experiences.

SCBIO1 BIOLOGY

GRADE LEVEL: 9

CREDIT: 2

Biology reflects the broad scope of biology from the cell to the entire organism, to the interaction of organisms, and their environment. The units covered deal with the organization of living things from the cellular level to the kingdom level. The six kingdom classification system will be covered to show the great diversity in living things. Included in the animal kingdom will be dissections to show the anatomy and the advancement of the animals. Also covered will be units on genetics, classification and body systems. This course meets most college entrance requirements for three natural science courses (Biology, Chemistry, and Physics).

SCHBIO HONORS BIOLOGY

GRADE LEVEL: 9

CREDIT: 2

Honors Biology is similar to the topics of Biology at a more challenging pace and depth.

SCACHE APPLIED CHEMISTRY

GRADE LEVEL: 10

CREDIT: 2

Applied Chemistry is similar to the topics of Chemistry with emphasis on project based learning experiences.

SCCEM CHEMISTRY

GRADE LEVEL: 10

RECOMMENDED: Biology 1 and Algebra 1

CREDIT: 2

This course describes the nature of matter in terms of molecular behavior. Major topics are atomic structure, periodic table, chemical bonding and reactions, chemical calculations including stoichiometry, thermodynamics, kinetics, equilibrium, gas laws, solids, liquids, solutions, acids and bases, and electrochemistry. The goal of Chemistry is to instill in the student a curiosity about matter and its interactions; to initiate a lifetime of using an organized, evidence based approach to solving problems; and to recognize the central significance of chemistry to the understanding of all other sciences and its applications to everyday lives and real world situations. Evaluation is based on written tests, laboratory reports, projects and homework. This course meets most college entrance requirements for three natural science courses (Biology, Chemistry, and Physics).

SCHCHE HONORS CHEMISTRY

GRADE LEVEL: 10

CREDIT: 2

Honors Chemistry is similar to the topics of Chemistry at a more challenging pace and depth.

SCAPHY APPLIED PHYSICAL SCIENCE

GRADE LEVEL: 11

CREDIT: 2

Applied Physical Science is similar to the topics of Physics with emphasis on project based learning experiences.

SCPHY PHYSICS

GRADE LEVEL: 11

RECOMMENDED: Chemistry & Geometry

CREDIT: 2

This is a course in the basic laws of the physical universe. Students build on basic physical science principles by exploring in depth the nature and characteristics of energy and its dynamic interaction with matter. Key areas covered include force and motion, the atom, the kinetic molecular theory, energy transformations, heat, sound, wave phenomena, astronomy, the electromagnetic spectrum, light and electricity fields, and non-Newtonian physics. This course stresses the practical application of physics and how it affects our world. There will be labs, projects, and plenty of group work.

Students will use interfaces with probes for many experiments. This course meets most college entrance requirements for three natural science courses (Biology, Chemistry, and Physics).

SCAPPH AP PHYSICS 1

RECOMMENDED: Chemistry & Geometry

GRADE LEVEL: 11

CREDIT: 2

Honors Physics is similar to the topics of Physics at a more challenging pace and depth.

SCANAT ADVANCED ANATOMY & PHYSIOLOGY/BIOLOGY 180

GRADE LEVEL: 11-12

RECOMMENDED: Successful completion of Biology /Chemistry /Physics

CREDIT: 2 (Optional Dual Credit with UW-Richland)

A basic understanding of the human body is essential for all students. In today's world, medical and technological advances are growing at an incredible rate; and students need to understand how this technology will impact themselves and their daily lives. Many students are going into medical and health fields, and this background information on the human body will aid them in their endeavor. Students need to be informed citizens, voting on issues that will affect them and the next generation. It is difficult to make informed decisions about medical and health issues if one does not understand the basic functioning of the body. All students would benefit from this course. Dissection will be used to make anatomical comparisons to the human body.

SCAPBI ADVANCED BIOLOGY/BIOLOGY 101

GRADE LEVEL: 11-12

RECOMMENDED: Successful completion of Biology /Chemistry /Physics

CREDIT: 2 (Optional Dual Credit with UW-Richland)

This course is designed based on the three overarching topics of Molecules and Cells, Heredity and Evolution, and Organisms and Populations. The recurring thread throughout the text is evolution as the foundation of modern biological models and thought. The course is taught to constantly review the themes and relate the biological concepts to real world examples and explanations to the students and society. Advanced Biology is designed to actively engage students in the process of science through class assignments and discussions which inform their laboratory experiences. This course is equivalent of an introductory college-level biology course, and it is designed to prepare students for the second year Biology course.

SCAPCH ADVANCED CHEMISTRY/CHEMISTRY 145

GRADE LEVEL: 11-12

RECOMMENDED: Successful completion of Biology /Chemistry /Physics

CREDIT: 2 (Optional Dual Credit with UW-Richland)

Advanced Chemistry is a rigorous and challenging course, designed to be the equivalent of a general chemistry course offered at a university. Students will encounter a rigorous curriculum that emphasizes atomic theory, chemical bonding, nuclear chemistry, kinetics, and thermodynamics. About twenty lab experiences, some of which require milligram precision, spectrophotometers, and pH meters, will be completed.

SCAGEN ADVANCED GENETICS/BIOLOGY 141

GRADE LEVEL: 11-12

RECOMMENDED: Successful completion of Biology/Chemistry

CREDIT: 2 (Optional Dual Credit with UW-Richland)

This course focuses on the study of genetics and the principles of heredity with applications to plant, animal, and human inheritance. Current advances in genetics are discussed, including topics in biotechnology and bioethics. Labs include performing genetic crosses with plants and fruit flies.

SCBIOC BIOCHEMISTRY

GRADE LEVEL: 11-12

RECOMMENDED: Successful completion of Biology /Chemistry /Physics

CREDIT: 2

Biochemistry is designed for students interested in exploring a career in the medical field or health sciences at the university or technical college level. The class gives an overview of the chemistry involved in life's processes. Emphasis is placed on recognizing the structure, physical properties, and chemical reactions of organic molecules in the human body (enzymes, proteins, lipids, carbohydrates, and nucleic acids). The course will include both lecture and lab settings.

SCCRIM CRIMINALISTICS

GRADE LEVEL: 11-12

RECOMMENDED:

CREDIT: 1

This course is an advanced science course based on criminal investigation and forensic science. Students will conduct lab investigations, research topics in forensic science and will work together in small groups. Topics include crime scene analysis, chemical and physical properties, DNA, fingerprints, hairs and fibers, document forgeries, and impressions. Projects are designed to enhance problem-solving skills. This course is for people interested in police and criminal science.

SCENVS ENVIRONMENTAL SCIENCE

GRADE LEVEL: 11-12

RECOMMENDED:

CREDIT: 1

This course is offered to juniors and seniors who have successfully completed 9th grade Physical Science and both semesters of Biology I. This course has been written in response to the need for environmental education by a wide variety of people. It attempts to provide an overview of this broad subject and to integrate the various social, economic, technical and political issues. Interrelated problems of ecological disruptions, growth of human populations, land use, energy, food supplies, pesticides, air, and water pollution are all covered. This class will enable students to see clearly the connections between their own attitudes, actions and lifestyles and the various environmental problems that exist. Emphasis of this class is on group discussions and projects. Field trips are scheduled to provide "hands on" experience.

SOCIAL STUDIES DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	TE
SOWGEO	World Geography	X				S	
SOCIV	World Civilization		X			Y	
SOAPWH	AP World History		X			Y	
SOSUHI	Survey of US History			X		Y	
SOUS	US History			X		Y	
SOA101	Advanced US History 101/History 101 (Dual Credit)			X		Y	
SOECON	Economics			X			
SOSURG	Survey of American Government				X		
SOGOVT	American Government				X		
SOA102	Advanced US History 102/History 102 (Dual Credit)				X	Y	
SOCURR	Current Events			X	X		
SOHIS	Perspectives in History			X	X		
SOPSYC	Psychology (also available online)			X	X		
SOSERL	Service Learning Social Studies			X	X	S	
SOSOCP	Social Problems			X	X	S	X
SOWW	World War II			X	X	S	

S – Semester Course

Y – Year Course

TE – Technology Emphasis Course

<u>Sample Paths</u>	9th Grade	10th Grade	11th Grade	12th Grade
<u>Minimum Requirements</u>	World Geography	World Civilization	US History Economics	Government Social Studies Elective
<u>Western Technical College</u>	World Geography	World Civilization	US History Economics	Government Social Studies Elective
<u>4 year Universities</u>	World Geography	World Civilization	US History Economics	Government Social Studies Elective
<u>Competitive 4 year Universities</u>	World Geography	AP World History	Adv. US History 101 Economics	Adv. US History 102

SOWGEO WORLD GEOGRAPHY

GRADE LEVEL: 9

RECOMMENDED: None

CREDITS: 1

This course provides hands-on activities where students learn how geography impacts society and how the interrelationships of different nations affect our world. Throughout the course, students will have the opportunity to develop a foundation for interpretation of geographical influences that affect the world today and tomorrow. These influences may include historical, cultural, environmental, political, and/or economical. The course develops basic skills used in all levels of the Social Studies Curriculum.

SOCIV WORLD CIVILIZATION

GRADE LEVEL: 10

RECOMMENDED: None

CREDITS: 2

Global concepts are covered in this course with emphasis on how historical events have impacted the modern world. Themes covered in the class include: Early Civilizations such as Egypt, Greece, and Rome, Religions, Middle Ages, Renaissance, Exploration, Absolutism, Enlightenment and Revolution, Industrial Revolution, Imperialism, the World Wars, and Post WWII to the present. Differentiated instruction and varied assessments will be the guide to student learning in this course. This course also covers a variety of other school disciplines including geography, political science, economics, and Language Arts.

SOAPWH ADVANCED PLACEMENT WORLD HISTORY

GRADE LEVEL: 10

RECOMMENDED: Teacher Recommendation

CREDITS: 2

Honors World History is an introductory college level survey course that is offered with the option to take the College Board's Advance Placement Exam. The course spans the academic year and is open to sophomores.

In Honors World History students will examine themes, patterns, and processes from a global historical perspective.

Students will examine world historical record from 8000 BCE to the present day. Students who complete the course are able to take the AP World History Exam in May and possibly earn college credit. As a college level course, the reading, writing, and classroom participation demands are very high. If a student fails to pass this class they will need to take regular World History. Students that are self-motivated, engaging, and seeking high academic rigor are encouraged to enroll in Honors World History.

SOSUHI SURVEY OF UNITED STATES HISTORY

GRADE LEVEL: 11

RECOMMENDED: Guidance and Teacher Recommendation

CREDITS: 2

Course is two consecutive terms. The same basic course objectives as standard U.S. History will be explored. Course methods, techniques and content will be modified to meet the individual and unique learning needs of each student. This course examines the general history of the United States from colonization to the present. Major nations and significant world history events as they relate to United States history will also be studied. Students will be selected for this course on the basis of teacher and guidance recommendation.

SOUS US HISTORY

GRADE LEVEL: 11

RECOMMENDED: None

CREDITS: 2

This year-long course covers the history of the United States from colonization to modern history. The course consists of the following units: Unit I- Birth of a Nation. We explore the founding of our country to the gaining our independence from Great Britain. The unit concludes with the ratification of the Constitution. Unit II- Beginnings of a Country. This unit begins by looking at the challenges and accomplishments of our first four presidents followed by the Jacksonian Era. We finish the unit with the concept of manifest destiny. Unit III- Civil War. This unit studies the causes, the fighting, and the aftermath of the Civil War. Unit IV- Becoming a World Power. We examine the effects of the industrial revolution, the ending of the Native Americans way of life, opening the West to settlement end up with American imperialism. Unit V- The Roaring Twenties to World War II. This unit examines the cultural changes in the United States, the causes and effects of the Great Depression and World War II from an American perspective. Unit VI- Modern History. The course concludes with a study of the main events from the 1950's until the present.

SOA101 ADVANCED UNITED STATES HISTORY 101 (Pre-settlement through the Civil War)

GRADE LEVEL: 11

RECOMMENDED: Must have a 3.0 GPA & instructor recommendation.

CREDITS: 2 (Optional Dual Credit with UW-Richland)

Advanced US History 101 is a college course offered in conjunction with UW Richland, offering students an opportunity to earn 3 college credits in high school. As a college course, students should expect a challenging but rewarding work load. Special emphasis is placed on college-level study, research and writing skills, as well as historiography and usage of primary source materials. Please see the UW-Richland Academic Alliance 2.0 Program page in this book for more information.

SOECON ECONOMICS

GRADE LEVEL: 11-12

RECOMMENDED: None

CREDIT: 1

Economics is the study of how individuals and societies make choices about how to use scarce resources to fulfill unlimited need and wants. This course examines both micro and macro-economic themes. Topics include supply and demand, economic systems, labor and management issues, fiscal policy and government spending, monetary policy and the banking system, and measuring the economy. The course includes preparation for and participation in the Reality Store budgeting simulation held in February.

SOSURG SURVEY OF AMERICAN GOVERNMENT

GRADE LEVEL: 12

RECOMMENDED: Guidance and Teacher Recommendation

CREDITS: 1

The same basic course objectives as standard American Government will be explored. Course methods, techniques and content will be modified to meet the individual and unique learning needs of each student. Emphasis will be placed on obtaining basic competency of fundamental concepts and their application to daily life. The major focus of instruction will center on the relationship between the rights and responsibilities of good citizenship. This course satisfies the government requirement for graduation.

SOGOVT AMERICAN GOVERNMENT

GRADE LEVEL: 12

RECOMMENDED: None

CREDITS: 1

This introductory course in political science deals with the federal government system, stressing the relationship of the national government to state and local governments. Subject matter includes the Constitutional basis, the structure of the three branches, political processes, policy making, civil rights and liberties, and some of the problems facing the nation in our contemporary world. Emphasis will be placed on obtaining basic competency of fundamental concepts and their application to daily life. Four hours of community service is required during the course of the semester. Group work and assessment is an integral part of the course.

SOA102 ADVANCED UNITED STATES HISTORY 102 (Reconstruction through the Present)

GRADE LEVEL: 12

RECOMMENDED: Must have 3.0 GPA & instructor recommendation

CREDITS: 2 (Yearlong) (Optional Dual Credit with UW-Richland)

Advanced US History 102 is a college course offered in conjunction with UW Richland, offering students an opportunity to earn college credits in high school. As a college course, students should expect a challenging but rewarding work load. Special emphasis is placed on college-level study, research and writing skills, as well as historiography and usage of primary source materials.

Special Note: Students who take **both** US 101 and US 102 will have met the district Government requirement for graduation and do not need to register for Government class.

SOCURR CURRENT EVENTS

GRADE LEVEL: 11 - 12

RECOMMENDED: None

CREDITS: 1

Students will study newspapers and periodicals to examine political, economic and social events at local, state, national and international levels. Emphasis will be on analyzing different issues demonstrating both sides. A research project, including research, writing and presenting will be required. Articles, handouts, videos, television, and radio are essential contributors to information for the course. Group work and role-playing are also included in course work.

SOHIS PERSPECTIVES IN HISTORY

GRADE LEVEL: 11-12

RECOMMENDED: World Civilization, Junior Literature

CREDITS: 1

In this unique course co-taught by instructors from English and Social Studies students will explore literature through the history that created it. For example, we will look at the Crusades through the epic "Song of Roland" and examine the Gunpowder Plot through common folk literature, all the while learning various critical approaches to literature and history usually taught at a college level.

SOPSYC PSYCHOLOGY (Also Available Online)

GRADE LEVEL: 11-12

RECOMMENDED: None, preference will be given to seniors

CREDITS: 1

A challenging and fascinating study of human behavior. Discover what psychologists have learned about why people do what they do. At the same time, you will be making discoveries about your own life and behavior through self-evaluation. Topics include human development, personality, learning and thinking, mental health, and abnormal behavior psychology. Self-direction is emphasized and encouraged. A research project, including research, writing and presenting will be required. Articles, handouts, videos, group work, and role-playing are included in course work. This course is also available online.

SOSERL SERVICE LEARNING SOCIAL STUDIES

GRADE LEVEL: 11-12

CREDIT: 1

Community Connection to Service Learning applies academic principles with service learning principles to provide students with an all-encompassing learning experience. Students will engage in research, reflection, in-class discussions, service learning in the community, a formal presentation, and discussions with guest speakers from our community during this semester long course. Hours of service learning acquired during the school day will not count towards the service learning requirement for graduation.

SOSOCP SOCIAL PROBLEMS

GRADE LEVEL: 11-12

RECOMMENDED: None, preference will be given to seniors

CREDITS: 1

Social Problems consists of a series of issues based units, using sociological principles and a diverse variety of sources as a launching point for exploration of the causes and potential solutions to contemporary issues. Topics include crime and punishment, issues related to marriage and families, drug and alcohol abuse, and alternative cultural perspectives. Strong emphasis is placed upon reflective discussion, writing and exploration of personal beliefs. A research project, including research, writing and presenting will be required. Articles, handouts, videos, group work, and role-playing are included in course work.

SOWW WORLD WAR II

GRADE LEVEL: 11-12

RECOMMENDED: None

CREDITS: 1

World War II is an elective course that will explore WWII from its roots in the resolution of WWI through to the beginnings of the Cold War. This is the course for WWII buffs. Units will include the origins of fascism, the rise of Hitler, early war in Asia, military strategies & weaponry, Japanese expansion in the Pacific, the blitz & fall of Europe, D-Day and the re-invasion of Europe, genocide and the Holocaust, atomic bombs, and the aftermath of the war. Course will be project-driven with an emphasis on student research.

SPECIAL EDUCATION DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	TE
	ELECTIVES						
SPCARD	Card Shop		X	X	X	S/Y	
SPCARE	Career Exploration Skills	X	X	X	X	S	
SPCOOK	Cooking Skills	X	X	X	X	S	
SPISK	Independent Skills	X	X	X	X	S/Y	
SPLIF	Life Skills	X	X	X	X	Y	
SPPERS	Personal Development	X	X	X	X	S/Y	
SPRE	Resource	X	X	X	X	S/Y	
SPSELF	Self-Management	X	X	X	X	S/Y	
SPSOCD	Social Development	X	X	X	X	S	
SPSUC1	Success Center (1 st semester)	X	X	X	X	S	
SPSUC2	Success Center (2 nd semester)	X	X	X	X	S	
SPWK	Work Skills	X	X	X	X	Y	
SPWORK	Work	X	X	X	X	S/Y	
	ENGLISH						
SPRDG	Reading Skills	X	X	X	X	Y	
SPREA1	Reading 1/2	X	X	X	X	Y	
SPREA3	Reading 3			X	X	Y	
SPTR2E	Transition English	X	X	X	X	Y	
SPIENG	Independent English	X	X	X	X	S	
	HEALTH						
SPHEAS	Healthy Start-up	X	X	X	X	S	
SPIHEA	Independent Health	X	X	X	X	S	
	MATH						
SPMATH	Math Skills	X	X	X	X	Y	
SPMAT1	Functional Math 1	X	X	X	X	Y	
SPMAT2	Functional Math 2	X	X	X	X	Y	
SPMAT3	Functional Math 3	X	X	X	X	Y	
SPIMAT	Independent Math	X	X	X	X	Y	
	PHYSICAL EDUCATION						
PEADPH	Adaptive Physical Education	X	X	X	X	Y	
SPIPE	Independent Physical Education	X	X	X	X	S	
	SCIENCE						
SPSCI	Science Skills	X	X	X	X	Y	
SPHEA	Health-Science	X	X	X	X	Y	
SPISCI	Independent Science	X	X	X	X	Y	
	SOCIAL STUDIES						
SPSOC1	Social Studies Skills	X	X	X	X	S	
SPCUR	Current Events Skills	X	X	X	X	S	
SPSOC2	Social Studies	X	X	X	X	Y	
SPTR3H	Transition History	X	X	X	X	Y	
SPISOC	Independent Social Studies	X	X	X	X	S/Y	
SPIGOV	Independent Government				X	S	

S – Semester Course

Y – Year Course

TE – Technology Emphasis Course

SPECIAL EDUCATION ELECTIVES

SPCARD CARD SHOP

GRADE LEVEL: 10-12

RECOMMENDED: Per IEP

CREDITS: 1 or 2

Card shop is a work skills simulation class designed to enhance students' awareness of work site responsibilities and to teach basic skills to improve employability. Targeted skills include clocking in daily, time management, following directions, working cooperatively, assessing product quality and using basic math and marketing skills required to run a business.

SPCARE CAREER EXPLORATION

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1

This course is designed to introduce social skills needed to be successful in the world of work. A majority of the course is role playing. Daily there will be practice sessions of social skills, with a testing out period to follow. Students are required to get up in front of the class to practice the skills! Students will also fill out mock applications, participate in mock interviews, write a cover letter and resume.

SPCOOK COOKING SKILLS

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1 or 2

Cooking is a class that is designed for students with low adaptive skills to learn their way around the kitchen by learning how to use kitchen appliances, different types of cooking, and cooking safety. Throughout the semester, students will be learning about appliances and utensils in the kitchen, cooking words, reading a recipe, understanding words in a recipe, safety, sanitation, having a healthy body, learning about cooking foods from around the world, learning about specific words related to the grocery store and restaurants and learning about different types of foods. Students will be expected to cook at home throughout the semester to transfer skills learned at school.

SPISK INDEPENDENT SKILLS

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1 or 2

This class is offered to student with very low adaptive skills, where the majority of curriculum covers independent skills that will be needed in life after high school. Topics that may be included in this class are appropriate leisure skills, safety in all walks of life, nutrition, household chores, emergency situations, cooking, manners, shopping and much more.

SPLIF LIFE SKILLS

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

The skills worked on in this class will prepare students for independent living after high school. The emphasis of this class is to help students become as independent as possible. The areas of cooking, cleaning, laundry, shopping, hygiene, health topics, social skills, safety skills and important information that should be memorized will all be taught in this class. There will community activities, in class activities and many discussions.

SPPERS PERSONAL DEVELOPMENT

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1 or 2

This class focuses on learning about the students' disability and determining what strategies they can use to help them become college, career and community ready.

SPRE RESOURCE

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1 or 2

The students focus on academic tasks as well as improving behaviors such as learning coping strategies, social skills, study skills, time management and organization. Self-paced curriculum is available for students who are credit deficient or unable to be successful in the regular education environment.

SPSELF SELF-MANAGEMENT

GRADE LEVEL: 9-12

RECOMMENDED: None

CREDITS: 1 or 2

The primary focus of this class is learning how to manage by oneself. Students learn the importance of taking responsibility for one's own behavior and well-being. Students explore strategies that will help them be college, career, or community ready.

SPSOCD SOCIAL DEVELOPMENT

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1

Good social skills are critical for successful functioning in life. These skills enable students to know what to say, how to make good choices, and how to behave in different situations. The degree to which students possess good social skills can influence their academic performance, behavior, social and family relationships, and involvement in extracurricular activities. Social skills are also linked to the quality of the school environment and school safety. Curriculum from Advocated for Youth will be followed and covers topics such as communication, relationships, community, goals and decisions, stereotypes, and violence. Additionally students will get opportunities to go out in the community and organize events.

SPSUC1 SUCCESS CENTER (1ST SEMESTER)

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: .5

Success Center is a structured study hall to help students become more organized and take responsibility for their academic success with the help from instructors. This class takes the place of a study hall and provides students an opportunity to study in a structured atmosphere while having one-to-one help with the students' schoolwork.

SPSUC2 SUCCESS CENTER (2ND SEMESTER)

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: .5

Success Center is a structured study hall to help students become more organized and take responsibility for their academic success with the help from instructors. This class takes the place of a study hall and provides students an opportunity to study in a structured atmosphere while having one-to-one help with the students' schoolwork.

SPWK WORK SKILLS

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

The Mathews Work class designed to teach students important work skills needed for future employment. This class is made possible by Mathews Inc. This work simulation class is made as real as possible to an actual sheltered workshop placement. Students are required to use a time clock, count their productivity with a hand counter and keep track of the job they are working on along with their productivity number. Students earn money working in the Mathews room.

SPWORK WORK

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1 or 2

These courses are designed to give students hands-on work experience outside of the school building. Mentorship classes are a semester long, two hours per day in which the student receives credit towards graduation. Work experience varies as to the individual need of the student. With work experience, the students receive pay from his/her employer, along with earning credits towards graduation. Transportation is provided during the day from the Transition Van. These classes must be approved by case manager and parents prior to signing up.

SPECIAL EDUCATION ENGLISH

SPRDG READING SKILLS

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

Since everyone learns differently, reading instruction will be done on an individual basis. The Edmark reading program is the main reading program being used, along with other spelling and language based programs. Reading comprehension will be worked on during group reading time. There will be an independent reading time and the students will go to the library once a week.

SPREA1 READING 1/2

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 4**2 hour block 2 credits each semester

This class is offered to students in grade 9 - 12 (recommendation from teachers or Lexile score) and can take for two years. This class addresses the gaps, delays, and deficits in skills and knowledge from previous grades and uses age appropriate and motivating materials to accelerate instruction. Each student will take a computer based inventory that will give him/her a Lexile score. This score will be used to choose appropriate computer material and independent reading books.

SPREA3 READING 3

GRADE LEVEL: 11-12

RECOMMENDED: Per IEP

CREDITS: 2**1 hour each semester for students that completed Reading 1/2

This class is offered to students in grades 11 - 12 (recommendation only) after they have completed two years of Reading 1/2 or have not met their Lexile goal. This class is based on Reading 1/2 and will also focus on age appropriate materials to help increase their Lexile score. Students will continue with age appropriate computer and independent reading materials to assist them with their reading skills.

SPTR3E TRANSITION ENGLISH

GRADE LEVEL: 10-12

RECOMMENDED: Per IEP

CREDITS: 2

Transition is offered to sophomores, juniors and seniors who will be entering the world of work after high school graduation. The class focuses on teaching student to become career and community ready. The following units will be covered over the course of a year: self-discovery, career research, independent living skills, practical life skills, money management and social program review.

SPIENG INDEPENDENT ENGLISH

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1

Curriculum designed to meet grade level graduation requirements in English. The students IEP team will determine placement into this course.

SPECIAL EDUCATION HEALTH

SPHEAS HEALTHY START-UP

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1

This is a class designed to help students start their day on a positive note. We discuss any issues that have been going on and try to come up with healthy solutions. Students are reminded of important dates that are coming up. Students can use the time to get up caught up on missing work. Students have started the Dipolicious project which is the packaging of dry dip mixes. Students are involved in finding recipes, taste testing, collecting data, creating products, advertising, selling, and distribution of our products.

SPIHEA INDEPENDENT HEALTH

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1

Curriculum designed to meet grade level graduation requirements in Health. The students IEP team will determine placement into this course.

SPECIAL EDUCATION MATH

SPMATH MATH SKILLS

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

Since everyone learns differently, math instruction will be done on an individual basis. All students will work on time, money and basic math operations. This class will teach math skills through cooking, worksheets, manipulatives, technology and many hands on activities.

SPMAT1 FUNCTIONAL MATH 1

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

Students who are working significantly below grade level should be scheduled into math 1. This class will be designed around the functional skills of the students enrolled. We will utilize a variety of resources including an online intervention program for students struggling with math. This program uses systematic instruction that begins with simple concepts and moves to more complex skills. Ongoing assessment and progress monitoring provide data to inform instruction and show students' progress. The program breaks complex math tasks into manageable pieces. Students learn using a structured and sequential approach, as they acquire skills one by one. These skills will help them tackle the increasingly challenging content they will encounter in school and on assessments.

SPMAT2 FUNCTIONAL MATH 2

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

This class will be designed around the functional skills of the students enrolled. We will utilize a variety of resources. The primary focus is to improve skills of number sense, addition, subtraction, multiplication, division, equations, fractions, measurements, geometry, and graphing.

SPMAT3 FUNCTIONAL MATH 3

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

This class will be designed around the functional skills of the students enrolled. We will utilize a variety of resources. The focus will be to review and expand upon skills of number sense, addition, subtraction, multiplication, division, equations, fractions, measurements, geometry, and graphing in preparation to prepare students for Applied Algebra.

SPIMAT INDEPENDENT MATH

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

Curriculum designed to meet grade level graduation requirements in Math. The students IEP team will determine placement into this course.

SPECIAL EDUCATION PHYSICAL EDUCATION

PEADPH ADAPTIVE PHYSICAL EDUCATION

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

The Specially Designed Physical Education program is a yearlong course that meets three times every six days for 45 minutes in which students with disabilities participate in various fitness programs, aquatics, lifetime sport activities, and a weight room program. This course is individualized to meet student learning goals.

SPIPE INDEPENDENT PHYSICAL EDUCATION

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1

Curriculum designed to meet grade level graduation requirements in Physical Education. The students IEP team will determine placement into this course.

SPECIAL EDUCATION SCIENCE

SPSCI SCIENCE SKILLS

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

The students will be introduced or review basic science concepts according to objectives in the Extended Grade Band Standards. Students will learn about the human body, the planets, plants, animals, etc.

SPHEA HEALTH-SCIENCE

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

The Science curriculum rotates every year. One year, curriculum will be covered in the areas of Physical Science and Earth and Space Science. The following school year the curriculum will be covered from Life Science and Health. Students will complete hands on labs or projects after every unit in the course. At the end of the course students will complete a comprehensive final.

SPISCI INDEPENDENT SCIENCE

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

Curriculum designed to meet grade level graduation requirements in Science. The students IEP team will determine placement into this course.

SPECIAL EDUCATION SOCIAL STUDIES

SPSOC1 SOCIAL STUDIES SKILLS

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1

Social Studies is a class that is designed for students to introduce or review the history of the United States. Units that will be covered are: Our City/State, The Capital of the United States, Famous Inventors, Famous Presidents, Maps and Globes, Native Americans, and Early Life of the United States. Students will learn through worksheets, mini-books, and participating in class.

SPCUR CURRENT EVENTS SKILLS

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1

Current Events is a class that will look at a variety of events all around us. We will be learning about the world around us through the news on TV, newspapers, the internet and News 2 You. We will incorporate a morning meeting into this time, to continue to work on important skills such as leadership, talking in front of a class, following lists and calendar information while learning current daily events.

SPSOST SOCIAL STUDIES

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

In Social Studies the curriculum will rotate every 2 years. During one school year the following curriculum will be covered: Citizenship, Law, and Government. In second semester students will learn about the government in the United States, their role in the government, and their rights as guaranteed by the U.S. Constitution.

During the following school year United States History, from the Early America to a New Century (1990-future), curriculum will be covered. Students will learn how the Americas were settled; this new nation grew and then became a nation that was divided.

Thereafter the course will cover how America became a world leader, the years of uncertainty that followed, and eventually the crisis the United States landed in.

SPTR3H TRANSITION HISTORY

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 2

Transition is offered to sophomores, juniors and seniors. Students can take this class for 3 years if needed. It can be taken in combination with Transition English as a block class (2 class periods daily for the entire year) or it can be taken for one class period for one semester. It is up to the case manager. Transition is designed for students who are entering the world of work after high school graduation. The class focuses on teaching students to become good citizens in the community. The following units are taught: interviewing skills, problem solving skills, job/career search, transportation options, apartment hunting, cooking, money-management and the challenges of living independently and setting up a household.

SPISOC INDEPENDENT SOCIAL STUDIES

GRADE LEVEL: 9-12

RECOMMENDED: Per IEP

CREDITS: 1 or 2

Curriculum designed to meet grade level graduation requirements in Social Studies. The students IEP team will determine placement into this course.

SPIGOV INDEPENDENT GOVERNMENT

GRADE LEVEL: 12

RECOMMENDED: Per IEP

CREDITS: 1

Curriculum designed to meet grade level graduation requirements in American Government. The students IEP team will determine placement into this course.

TECHNOLOGY DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	TE	CTEERS
TEINTR	Intro to Tech Ed (Recommended for All Tech Ed Courses)	X				S		48.07 T
TEPOWE	Power and Energy	X	X	X	X	S		47.99 T
TESMAL	Small Engine Repair		X	X	X	S		47.99 T
TEAUTO	Auto Mechanics			X	X	S		47.99 T
TESIMP	Simple Fixes (not for auto mechanic students)			X	X	S		47.99 T
TEMET1	Metalworking Technology I	X	X	X	X	S		48.05 T
TEMET2	Metalworking Technology II		X	X	X	S		48.05 T
TEDRF	Basic Drafting	X	X	X	X	S		14.01 T
TEENG1	Engineering Design I		X	X	X	S		14.01 T
TEENG2	Engineering Design II *		X	X	X	S		14.01 T
TEARC1	Architecture I		X	X	X	S		4.02 T
TEARC2	Architecture II		X	X	X	S		4.02 T
TEWOOD	Woodworking I	X	X	X	X	S		48.07 T
TEWOO2	Woodworking II		X	X	X	Y		48.07 T
TEWOO3	Woodworking III - Instructor's permission required			X	X	Y		48.07 T
TECARP	Carpentry		X	X	X	S		48.07 T
TEMATM	Material Science		X	X	X	S		14.01 T
TEWORK	Work Based Learning			X	X	Y		48.07 T

S – Semester Course

Y – Year Course

* - Advanced Standing course with Western Technical College

** - Transcribed Course with Western Technical College

TEINTR INTRO TO TECH ED

GRADE LEVEL: 9

RECOMMENDED: None

CREDIT: 1

This course is an exploratory class in technology education for 9th graders. Students will rotate through the clusters of technology. Those being (1) construction and communication, (2) power and energy, and (3) manufacturing. The first half of the semester, students will study these four areas. The last half of the semester students will be doing problem-solving projects relating to technology. (\$10.00 minimum out of pocket expense (includes 1 pair of personal safety glasses))

TEPOWE POWER AND ENERGY

GRADE LEVEL: 9-12

RECOMMENDED: Intro to Technology (9 only)

CREDIT: 1

This course is designed for anyone with an interest in mechanical power and energy. The student will learn about direct current (DC) theory and how it impacts the world of electronics. He/she will understand electronic component circuitry and develop his/her own electronic circuits. The student will also work with electric motors and electrical wiring and receive some introductory experiences in robotics through Boe-Bots and potentially participate in the FIRST Robotics Competition. Class time will be divided between classroom discussions and hands-on shop activities. Personal safety glasses are required.

TESMAL SMALL ENGINE REPAIR

GRADE LEVEL: 10-12

RECOMMENDED: Power and Energy

CREDIT: 1

This course will give the student the opportunity to service and repair low horsepower engines as they relate to the small engine industry. The student will learn to apply the mechanical, scientific and technical principles developed in Power and Energy. The student will learn to correctly handle and manipulate all tools and test equipment in the shop. Anticipated project costs run from \$10 to \$25 depending on the complexity of the project. Personal safety glasses are required. (\$10.00 minimum out of pocket expense)

TEAUTO BASIC MAINTENANCE

GRADE LEVEL: 11-12

RECOMMENDED: Small Engine Repair

CREDIT: 1 (TRANSCRIPTION CREDIT [3] PENDING)

This course is for those looking to enter the automotive industry as an entry level technician. The course covers the diagnosis, maintenance and repair of the heating and cooling systems, steering and suspension, engine lubrication, tires and wheel balancing, transmission servicing, vehicle safety, service and shop management and parts distribution. Automotive shop safety practices are also stressed. Personal safety glasses are required.

TESIMP SIMPLE FIXES

GRADE LEVEL: 11-12

RECOMMENDED: None

CREDIT: 1

Sooner than you think you will own a car and a home. Wouldn't it be nice to know how to care for them? *Simple Fixes* is your opportunity to learn how to do just that. You will learn how to fix a flat tire, to change the oil, and to care for your car in general. You will also learn how to fix your toilet, to stop a leaky faucet, to replace a faulty outlet, and to care for your home. We will enable all students to be self-sufficient when facing these costly maintenance and repair situations. Personal safety glasses are required.

NOTE: This course is not for students who have taken or are enrolled in Auto Mechanics.

TEMET1 METAL WORK TECHNOLOGY I

GRADE LEVEL: 9-12

RECOMMENDED: Intro to Tech

CREDIT: 1

This course is designed to introduce students to the area of metal work. The students will be exposed to: career opportunities in metal fabrication; safety practices, basic machining operations and introduced to welding. The machining will consist of reading blueprints, using the drill press, lathe, milling machine and other equipment necessary to produce a product. Oxyacetylene welding, AC/DC electrode welding, and plasma arc will be the areas of concentration in welding. Anticipated project costs will depend on the nature of the student's project. Personal safety glasses are required. (\$10.00 minimum out of pocket expense)

TEMET2 METAL WORK TECHNOLOGY II

GRADE LEVEL: 10-12

RECOMMENDED: Metal Work Technology I

CREDIT: 1

This course is designed similar to Metal Work Technology I, but more advanced operations will be introduced. Competencies in machining will include: taper turning, feeds and speeds, milling and blueprint reading, and CAD/CAM awareness. Welding will develop skills in electrode choices, oxyacetylene set-up, and metal preparation for different joints and positions. MIG welding will be demonstrated. Anticipated project costs will depend on the nature of the student's project. Personal safety glasses are required. (\$10.00 minimum out of pocket expense)

TEDRF BASIC DRAFTING

GRADE LEVEL: 9-12

RECOMMENDED: Intro to Tech Ed

CREDIT: 1

Basic Drafting is your introduction to hand drafting as well as AutoCAD, the world leader in computer aided drafting software. In this class you will learn the basic skills necessary to produce engineering drawings. These drawings will vary in difficulty from the beginning of the class until the end as your skills develop. During this course you will learn how to use hand drafting techniques, basic drawing operation, edit commands, layers, dimensioning, drawing setup and 3-D modeling in creating these drawings.

TEENG1 ENGINEERING DESIGN I

GRADE LEVEL: 10-12

RECOMMENDED: Basic Drafting

CREDIT: 1

You will develop your mechanical drafting skill using Autodesk Inventor during this semester long course. You will develop your skills in dimensioning, working with layers, paper space, 3-D solid modeling and editing techniques. You will apply these skills in producing several sets of production drawings for various mechanical devices such as a gear puller, tool post and a locomotive screw jack. While a member of Engineering Design 1, you will become familiar with terminology, materials and design considerations used in the mechanical design field.

TEENG2 ENGINEERING DESIGN II

GRADE LEVEL: 10-12

RECOMMENDED: Engineering Design I

CREDIT: 1

Building on the experiences from Engineering Design I, you will be introduced to the concepts involved in engineering design and development. Students work as a team to design and develop an original solution to a real world technical problem by applying the engineering design process. This process will take you and your team through the semester with the ultimate goal of a final, working prototype. You will construct "intelligent" solid models, create and constrain assemblies and create 2D drawings, balloons, parts lists and references dimensions from the 3D models.

* Advanced Standing Course: Students who successfully complete this course with a B or above will receive college credit at Western Technical College.

TEARC1 ARCHITECTURAL DESIGN I

GRADE LEVEL: 10-12

RECOMMENDED: Basic Drafting

CREDIT: 1

You will be introduced to the basic fundamentals of Architecture, using AutoDesk Architectural Desktop. You will use 3-D solid modeling to produce a complete set of plans for a stairway system, learn the terminology for and draw a cross sectional detail of a house, design a master bedroom suite, and develop the plans for a simple residential home, including a floor plan, elevations and dimension plan. During your Architecture Design 1 experience, you will become more familiar with construction terminology and begin to understand construction techniques that will help you develop your architectural skills.

TEARC2 ARCHITECTURAL DESIGN II

GRADE LEVEL: 10-12

RECOMMENDED: Architectural Design 1

CREDIT: 1

In Architectural Design 2, you will create and produce the blue prints for you own residential home. You will take into consideration all building code requirements and client specifications when you create your home. Using AutoDesk Architectural Desktop, you will complete the following drawing: floor, elevations, landscape, electrical, and dimensioning plans. You will build a unique model of a "house" that utilizes varying electrical requirements.

TEWOOD WOODWORKING I

GRADE LEVEL: 9-12

RECOMMENDED: Intro to Tech Ed

CREDIT: 1

This course involves safety, design, reading working drawings, estimating, planning and the value of wood as a building material. The species, properties, and nature of wood will also be studied. Machine safety and operation is the main emphasis of this class. The student will safely use router, circular saw, jointer, planer, band saw, shaper and a large variety of small hand and power tools. A student project will be constructed with proper methods relating to quality cabinet making and furniture manufacturing. Wood finishing will also be a part of the course. Anticipated project costs will depend on the nature of the student's project. Safety glasses are required. (\$5.00 minimum out of pocket expense)

TEWOO2 WOODWORKING II

GRADE LEVEL: 10-12

RECOMMENDED: Woodworking I

CREDIT: 2

This is an advanced course in woodworking. The course will provide knowledge of tools, machines, materials and production procedures in woodworking. Units of occupational information and wood finishing are included. The student will create and design their individual project. They develop a project plan sheet and a bill of materials. Anticipated project costs will depend on the nature of the student's project. PERSONAL SAFETY GLASSE ARE REQUIRED. (\$5.00 minimum out of pocket expense)

TEWOO3 WOODWORKING III

GRADE LEVEL: 11 - 12

RECOMMENDED: Woodworking II & Instructor's approval

CREDIT: 2

This is an advanced course in woodworking. The course will provide knowledge of tools, machines, materials and production procedures in woodworking beyond woodworking II. This will be a student driven course. The student will create and design their individual project. They develop a project plan sheet and a bill of materials. Anticipated project costs will depend on the nature of the student's project. Personal safety glasses are required. (\$5.00 minimum out of pocket expense)

TECARP CARPENTRY

GRADE LEVEL: 10 -12

RECOMMENDED: Woodworking I or Basic Drafting

CREDIT: 1

Construction is a course where students take a very close look at the building construction industry. The course involves basic power and hand tool, leveling instruments, plans specifications and codes, footing and foundation, floor framing, wall, ceiling and roof framing, types of roofing material, interior and external wall treatments, stair construction, post and beam, log cabin and prefabrication. The construction of models or full size building will be dependent upon the demand for such structures. Safety glasses are required.

TEMATM MATERIAL SCIENCE

GRADE LEVEL: 10 - 12

RECOMMENDED: None

CREDIT: 1

Working with state-of-the art technology, you will create several products that utilize various materials and processes being used in today's manufacturing and engineering worlds. Material Science creates an ideal foundation for those students interested in pre-engineering, science and technology, or materials and processes careers. You will be introduced to material science technology using a multidisciplinary approach to science and technology. You will learn about materials, material uses and applications, scientific theories, and practical experiences that prepare you to work in a technologically rich environment.

TEWORK WORK BASED LEARNING

Cooperative (Co-op) Education Program

GRADE LEVEL: 12

RECOMMENDED: Required CTE courses

REQUIRED OR ELECTIVE: Elective

CREDIT: 2

Co-op is a school-supervised work experience offered to seniors. This program provides the student authentic experiences in the world of work combined with related classroom instruction. The student may be released for a portion of the school day to work at one of the cooperating businesses. A work-based training plan includes competencies that the student works to achieve through the work experience. The cooperating businesses and coordinating teacher will train, supervise and evaluate the student's workplace experience based on job requirements and the training plan. Cooperative educational programs are offered in the following career and technical education (CTE) content areas:

- Agriculture
- Business and Information Technology (Business & Marketing)
- Family and Consumer Science (Child Care Service, Food Service, Family & Community Service)
- Technology Education

**The student must be enrolled concurrently in the Employability Skills course with the Business Department..*

**A student may participate in co-op without being released during the school day to work.*

Youth Apprenticeship

GRADE LEVEL: 11-12

REQUIREMENT: FOUR CLASSES PRIOR/CONCURRENTLY IN RELATED FIELD which includes ENROLLMENT IN THE EMPLOYABILITY SKILLS CLASS

CREDIT: 2

Mentored Hands-On Training. Youth Apprenticeship, a nationally recognized, Wisconsin state school-to-work program has returned to Sparta High School. This program is geared toward the junior or senior high school student who wants to experience hands-on learning at the worksite in conjunction with classroom instruction. This rigorous one or two year elective program combines academic and technical instruction with mentored on-the-job training that assists the student in making real world connections in the work place. Additional benefits for the student include receiving class credit while working during and/or after school hours and receiving a Certificate of Occupational Proficiency from the Wisconsin Department of Workforce Development. Students may be released a portion of the school day to work at one of the mentoring businesses. Youth Apprenticeship training options are available in the following areas: *Auto Collision or Technician, Biotechnology, Financial Services, Drafting and Design, Graphic Arts/Printing, Health Services, Industrial Equipment, Computer Science, Networking, Insurance, Hospitality, Lodging and Tourism, Logistics (Freight Movement), Production Agriculture (animals and soils/crops, and Welding*

**Subject to relevant employer participation*

***A student may participate in the YA program without being released during the school day to work*

CNC PROGRAM

**By application process only

Course Key	Course	9	10	11	12	S/Y	TE	CTEERS
TEBPR	Blueprint Reading				X			48.05 T
TEPLO	CNC Production Lathe-Operation				X			48.05 T
TECNCP	CNC Production Mill-Operation				X			48.05 T
TEMINT	Intro to Machining				X			48.05 T
TEMFMA	Manufacturing Math 1				X			48.05 T
TEMI	Measurement & Inspection				X			48.05 T

TEBPR BLUEPRINT READING

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

Introduction to reading and interpreting prints and industrial drawings. Interpretation of views, projection, lines, sections, working and assembly drawings relative to manufacturing processes and order of operations.

TEPLO CNC PRODUCTION LATHE-OPERATION

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

Operation of CNC (Computer Numerical Control) turning centers includes calling up programs, loading and unloading parts, inspection, and the recognition of tool wear. Procedural processes, inspection of parts, and the use of inspection sheets and guides will be covered.

TECNCP CNC Production Mill-Operation

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

Operation of CNC (Computer Numerical Control) machining centers includes calling up programs, loading and unloading parts, inspection, and the recognition of tool wear. Procedural processes, inspection of parts, and the use of inspection sheets and guides will be covered.

TEMINT Intro to Machining

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

This course will provide instruction that will prepare the student for subsequent Machining Technologies Program courses.

TEMFMA Manufacturing Math 1

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

Essential math skills for entry level manufacturing careers. Topics covered include addition, subtraction, multiplication, and division of fractions and decimals; English (customary) – metric conversion; and hands-on applications involving measurement and tolerances. Prerequisite: Passing score on skills assessment.

TEMI MEASUREMENT & INSPECTION

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

Provides instruction in the care and use of measurement tools and inspection equipment necessary to maintain quality standard in the manufacturing environment. Semi-precision through high-precision measurement tools, gages, inspection sheets and processes, indirect and comparative inspection methods will be covered. Learners will apply knowledge, analyze part quality, and troubleshooting manufacturing equipment and processes to determine cause and effect.

WELDING PROGRAM

**By application process only

Course Key	Course	9	10	11	12	S/Y	TE	CTEERS
TEAMW	Applied Math Welding				X			48.05 T
TEBPR	Blue Print Reading 1				X			48.05 T
TEFAB1	Fabrication 1				X			48.05 T
TEGMA1	Gas Metal Arc 1 (GMAW)				X			48.05 T
TEOFMC	Oxy Fuel Metals Cutting				X			48.05 T
TEOFMJ	Oxy Fuel Metals Joining				X			48.05 T
TESMA1	Shielded Metal Arc 1 (SMAW)				X			48.05 T
TESMA2	Shielded Metal Arc 2 (SMAW)				X			48.05 T
TETIG1	Tungsten Inert Gas 1 (TIG)				X			48.05 T
TEWELD	Work Based Learning Welding				X			48.05 T

TEAMW APPLIED MATH WELDING

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

Development of basic math skills needed to solve general problems encountered in industry. These include working with fractions and decimals, calculator operation, measurement and conversion, perimeter, area, volume, right triangle relationships, proportion and ratio, percents, graphical data, and formulas.

TEBPR BLUE PRINT READING 1

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

This course is designed to develop the student's skill in reading working drawings of weldments.

TEFAB1 FABRICATION 1

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

A course of instruction to include the use of rulers/scales, layout and hand tools, welding joint designs, shearing and sawing materials, grinders and belt sanders and assembly projects by various welding processes. The plasma, flame tracer will be introduced.

TEGMA1 GAS METAL ARC 1 (GMAW)

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

The study of welding techniques and applications of the gas metal arc welding process using the short circuitry arc process in the flat and horizontal positions on ferrous materials (steel).

TEOFMC OXY FUEL METALS CUTTING

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

This course is designed to teach cutting and heating for the purposes of: loosening; joint preparation for welding and repair; structural shape coping using oxy-acetylene, air carbon arc and plasma arc techniques.

TEOFMJ OXY FUEL METALS JOINING

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

Introduction of gas welding and brazing techniques used to join metal pieces together.

TESMA1 SHIELDED METAL ARC 1 (SMAW)

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

The study of welding techniques and applications for the flat and horizontal positions, to include electrode selection, fundamental joints, welding positions, and basic electricity for arc welding.

TESMA2 SHIELDED METAL ARC 2 (SMAW)

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

The study of welding techniques and applications for the vertical and overhead positions, to include welding metallurgy, metal properties, identification, effects of heat, pre and post weld heat treatments.

TETIG1 TUNGSTEN INERT GAS 1 (TIG)

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

The study of welding techniques on mild steel and applications of the gas-tungsten arc welding process which will also include set up, troubleshooting and tungsten selection on ferrous materials (steel).

TEWELD WORK BASED LEARNING WELDING

GRADE LEVEL: 11-12

RECOMMENDED: By application only

CREDIT: 1

The Welding Work Based Learning is a school-supervised work experience offered to students in the Welding Program. This program provides the student authentic experiences in the world of work combined with related classroom instruction. The student may be released for a portion of the school day to work at one of the cooperating businesses. A work-based training plan includes competencies that the student works to achieve through the work experience. The cooperating businesses and coordinating teacher will train, supervise and evaluate the student's workplace experience based on job requirements and the training plan. Students will be required to obtain a work permit and will be paid for the 90 hours of work experience.

WORLD LANGUAGE DEPARTMENT

Course Key	Course	9	10	11	12	S/Y	TE
LSPAN1	Spanish 1	X	X	X	X	Y	
LSPAN2	Spanish 2	X	X	X	X	Y	
LSPAN3	Spanish 3		X	X	X	Y	
LSPAN4	Spanish 4			X	X	Y	
LGRMN1	German 1	X	X	X	X	Y	
LGRMN2	German 2	X	X	X	X	Y	
LGRMN3	German 3		X	X	X	Y	
LGRMN4	German 4			X	X	Y	

- Students will follow a logical sequence of language study, starting with level one and proceeding through level four.
- There will be NO independent studies offered. Students will enroll in the appropriate language level during the hour(s) available.
- Students should be aware that the study of a world language greatly enhances their status at any post-secondary institution by obtaining advanced placement or retroactive credit for competent high school language work.
- Students should obtain a C or better in language levels II and III in order to move to the next language level. Exceptions may be considered per the recommendation of the classroom teacher.

LSPAN1 SPANISH 1

GRADE LEVEL: 9-12

RECOMMENDED: None

CREDIT: 2

In Spanish I, students will begin their exciting journey by learning essential vocabulary and the basic grammar concepts of the Spanish language. Students will be expected to blend their knowledge of the English language with Spanish as we learn how to communicate effectively in the present and reflexive tenses. In Spanish I you will be exposed to a wide variety of Spanish speaking cultures through movies, art projects, and other exciting methods! As our communities in the United States become more diverse, knowledge of and appreciation for other cultures is not only a good idea, it is essential! Join us in Spanish I as we start building skills that will set you apart from the crowd!

LSPAN2 SPANISH 2

GRADE LEVEL: 9-12

RECOMMENDED: Spanish 1

CREDIT: 2

In Spanish II, students will increase their knowledge of the language by expanding beyond the basics learned in Spanish I. Students will continue amassing necessary vocabulary and grammar to be able to understand and communicate effectively in the target language. Students will study more complex grammar involving past tense, direct and indirect object pronouns, future tense, prepositions, etc. Students will also continue to learn about the exciting culture of Spanish speaking countries in Spain, Central and South America.

LSPAN3 SPANISH 3

GRADE LEVEL: 10-12

RECOMMENDED: C or better in Spanish 2/or teacher referral

CREDIT: 2

In Spanish III students will continue to expand on their written and oral language skills as they explore more advanced Spanish grammar skills and learn more specialized groups of vocabulary. Students will be expected to build on the grammar learned in Spanish I and II and will focus multiple verb tenses including the perfect tenses, the conditional tense, the subjunctive tense, etc. As the year progresses, students will continue learning to communicate effectively through speaking and writing in Spanish inside the classroom, as well as through Spanish language movies, books, and magazines. If you are planning on pursuing Spanish in the future, whether it be at a traditional four year university, or you find it useful (or essential!) as a member of the work force Spanish III is the course for you!

LSPAN4 SPANISH 4

GRADE LEVEL: 11-12

RECOMMENDED: C or better in Spanish 3

CREDIT: 2

In Spanish IV students will be challenged to strengthen their command of the Spanish through reading, writing and speaking. Students will be required to speak Spanish the majority of the time. In Spanish IV, students will have the opportunity to polish and refine skills learned in previous years and will now go above and beyond those skills with advanced grammar and vocabulary. In Spanish IV, students will continue to learn about the culture of Spanish speaking countries and will have the opportunity to look at the different dialects of the language used throughout those countries. This course is a must for students who wish to continue studying Spanish at the college level and for those who wish to pursue careers in Spanish whether it is teaching, business, engineering or any other.

LGRMN1 GERMAN 1

GRADE LEVEL: 9-12

RECOMMENDED: None

CREDIT: 2

Are you curious about taking a world language? Do you want to expand your horizons, set yourself apart from your peers, and investigate the realm of German speaking countries like Switzerland, Germany, Austria, Liechtenstein and Luxembourg? Then this is the course for you. In German I you will be exposed to cultural, historical and geographical tidbits from these countries, as well as enormous and useful vocabulary that you would need to “get by” overseas. You will not be bored as you learn to effectively communicate in German using written and verbal language skills. Join us as we begin with the basics and begin working towards the intermediate language proficiency level!

LGRMN2 GERMAN 2

GRADE LEVEL: 9-12

RECOMMENDED: German 1

CREDIT: 2

In German II you will continue amassing necessary and useful vocabulary, which will allow you to understand and communicate effectively in the target language. We will continue to build on the foundations of German I, acquiring more complex grammar structures involving past tense, dependent clauses, modal verbs, prepositions, etc. The student will continue to strengthen their German language skills, while at the same time improving their knowledge of the English language as they move towards a level of language proficiency in German.

LGRMN3 GERMAN 3

GRADE LEVEL: 10-12

RECOMMENDED: C or better in German 2/or teacher referral

CREDIT: 2

The student will continue to expand their written and oral language skills as they continue to acquire useful and necessary grammar constructions. Heavy emphasis is placed on one’s ability to observe, analyze and draw inferences from the material presented. The class will incorporate German language audiovisual technology, as well as German language newspapers, magazines and books. You will be expected to speak and present your work in the target language much of the time. If you plan on attending a traditional four year university and see German as a means of obtaining retroactive credits or as part of your future profession, you will want to continue with this course!!!

LGRMN4 GERMAN 4

GRADE LEVEL: 11-12

RECOMMENDED: C or better in German 3

CREDIT: 2

Do you plan on attending a university? Do you want to obtain as many as 20 retroactive credits? This course will continue to challenge you and help you develop your German language skill ability. Current events, as well as newspaper and magazine articles will be infused steadily throughout this course. You will be required to speak German almost all of the time. Depth of understanding, speaking and expressing is key here! Continue your second language acquisition, while learning about the history, politics and everyday life of the German-speaking world. This course is a must for one who wishes to pursue a career in teaching German, business, and engineering among others.