

JEFFERSON HIGH SCHOOL



"Keep Moving Forward"

COURSE DESCRIPTION CATALOG

2012-2013

**High School Course Selection Conferences
February 1st and 6th
4:00 to 8:00pm**

Dear Parents:

Choosing courses and developing academic plans for the four years in high school is an important responsibility of each student. We respect their individual interests and needs as we know you do as well. Our teachers are always willing to share their professional insights on individual talents and course demands with families as they weigh various alternatives in both an honest and caring manner. Registering for a student's most appropriate classes is a vital step in student academic success. We here at Jefferson High School also thank the parents of students as they strive to cultivate self-discipline in quality work completion. The ability to hang tough and to persevere is an important character trait for all to learn. I appreciate the fact that some students are concerned about their ability to be successful in classes. You have my word that all of our professional staff will treat your child fairly and offer words/deeds of encouragement. With this in mind, I welcome you as full partners in the course registration process for your child. We have published this booklet and set up our course selection nights so that you will be able to make informed choices about your student's educational future. The main purpose for this process is to give you the information so that, with input from faculty, you can decide what courses your student should take next year.

**Students and parents are required to attend one of these evenings
in order to select courses for next school year.**

On these course selection nights, you and your student(s) **must attend one of the meetings held at 4:00, 5:00 or 6:00 p.m.** Upon arriving for the meeting, you will be given a packet of information. This packet will include:

- a copy of the student's transcript
- a recommendation form from teachers (i.e. suggested classes)
- other information pertaining to course selection

These meetings will take approximately 30 minutes. **You will then proceed to the gym** where faculty and staff will be available to help you determine the best courses for your student to take. They will also work with you to make sure that prerequisites are understood and help you obtain instructor consent where necessary. This is also a great time to discuss student goals and career objectives.

Our goal for these sessions is to provide you with information so that you can not only select courses for next year but also begin to plan for the remainder of high school and beyond. You will then have the option of taking the course selection sheet home for further discussion or submitting your request before you leave. If you have any questions or concerns regarding this process, please call the High School Counseling Office at 675-1126.

I look forward to seeing you on February 1st and 6th.

Sincerely,

Craig Brimacombe
Principal

Table of Contents

Introduction	iii
Planning For Your Future.....	iii
Graduation Requirements and Credit Information.....	iii
Docufide – Electronic Transcript	iii
Equal Educational Opportunities.....	iii
Advanced Placement (AP) Courses.....	iv
Advanced Standing (AS) Courses	iv
Dual Credit Courses.....	iv
Wisconsin’s Youth Options Program.....	iv
Independent Study Coursework.....	iv
Required Courses	v
Grade 9.....	v
Grade 10.....	v
Grade 11	v
Grade 12.....	v
UW System Requirements.....	vi
Programs of Study - The 16 Career Clusters	vii
Career Cluster: Agriculture, Food & Natural Resources Pathway	viii
Career Cluster: Architecture & Construction Pathway.....	ix
Career Cluster: Arts, A/V Technology & Communication Pathway	x
Career Cluster: Business, Management & Administration Pathway	xi
Career Cluster: Education & Training Pathway	xii
Career Cluster: Finance Pathway.....	xiii
Career Cluster: Government & Public Administration Pathway	xiv
Career Cluster: Health Science Pathway.....	xv
Career Cluster: Hospitality & Tourism Pathway.....	xvi
Career Cluster: Human Services Pathway.....	xvii
Career Cluster: Information Technology Pathway.....	xviii
Career Cluster: Law, Public Safety, Corrections & Security Pathway	xix
Career Cluster: Manufacturing Pathway.....	xx
Career Cluster: Marketing Pathway	xxi
Career Cluster: Science, Technology, Engineering & Mathematics Pathway.....	xxii
Career Cluster: Transportation, Distribution & Logistics Pathway	xxiii
Agriculture Curriculum Flow Chart	1
Agriculture.....	2
Art Curriculum Flow Chart.....	5
Art	6
Business Education Curriculum Flow Chart.....	9
Business Education	10
English Curriculum Flow Chart.....	13
English	14
FACE Curriculum Flow Chart.....	19
Family and Consumer Education (FACE)	20
Mathematics Curriculum Flow Chart	22
Mathematics.....	23
Music Curriculum Flow Chart.....	25
Music	26
Physical and Health Education Curriculum Flow Chart.....	28

Physical and Health Education	29
Science Curriculum Flow Chart.....	31
Science	32
Social Studies Curriculum Flow Chart.....	35
Social Studies	36
Spanish Curriculum Flow Chart	39
Spanish.....	40
Technology Education Curriculum Flow Chart.....	42
Technology Education	43
Other Courses.....	48
JEDI	49

INTRODUCTION

In this handbook you will find a description of every course offered in our school, the sequential pattern a student should follow, and any prerequisites necessary to go on to the more advanced or specialized courses.

Families should thoroughly read this handbook. You are responsible for knowing and following all directions, guidelines, etc. contained in this handbook. It is designed to give you the opportunity to make some practical subject choices to meet a student's abilities, needs and interests. Besides selecting a program for next year, you should also develop a tentative four -year plan that makes sense in terms of the kind of education that you need.

It is our hope that families will take time to read and study this handbook in making choices. Keep in mind that the four years spent in high school will be the basic foundation for post-high school goals and plans.

PLANNING FOR YOUR FUTURE

Jefferson High School students are encouraged to plan a four year "program of study" leading to graduation and successful job or post-secondary school entry. Course selection relates to a combination of factors including required courses, the student's aptitude and interests, as well as post-secondary education entrance requirements.

Students are advised to use the career counseling resources of the Jefferson High School Counseling Department during their course selection process. Extensive up-to-date information is available through the Wisconsin Career Information System (WCIS), as well as many other sources of information. School counselors are available to discuss academic and career information, as well as to assist students with four-year plans that will best prepare them for post-secondary education. All students are encouraged to consider non-traditional courses and careers.

GRADUATION REQUIREMENTS AND CREDIT INFORMATION

Twenty-six (26) credits are required for graduation.

To help clarify the expectancy of the Board of Education for each student that is awarded a diploma from this school district, the following requirements are hereby established as follows:

In order to graduate, all pupils are required to complete the following courses:

English/Language Arts:	Four (4) credits (4 years)
Social Studies:	Three and one-half (3.50) credits
Science:	Two (2) credits
Math:	Two (2) credits
Physical Education:	One and one-half (1.50) credits (3 years)
Employability Skills:	One-half (.50) credit
Health:	One-half (.50) credit
Humanities:	One (1) credit
Vocational:	One (1) credit
Electives:	Ten (10) credits

Humanities courses include any Art or Music courses, Introduction to Theatre, Advanced Theatre, or Foreign Language and may include Youth Options, web-based courses or other coursework **pre-approved** by the principal.

Vocational courses include any Technology, Business, Agriculture, or Family and Consumer Education courses, and may include Youth Options, web-based courses or other coursework **pre-approved** by the principal.

The required minimum course load per grade level is seven (7) credits each year. Credits earned in previous schools will be evaluated by the counseling staff or high school administration.

A pupil must also have completed all requirements for graduation before receiving a high school diploma and participating in the graduation ceremony.

DOCUFIDE – ELECTRONIC TRANSCRIPT

JHS has joined forces with Parchment.com to bring you Secure Transcript™ - the safe, paperless way to send transcripts directly to the colleges you choose. It's easy, it's secure, and it's available 24/7. The link is available on the district website at www.jefferson.k12.wi.us. Parchment will send out official transcripts checked and approved by the counseling office to the colleges you choose. Parchment will email you to confirm that your transcript has gone out. For the colleges that accept transcripts electronically, they'll confirm when they receive them.

EQUAL EDUCATIONAL OPPORTUNITIES

The State of Wisconsin and the School District of Jefferson are committed to equal educational opportunity for all students.

As an agent of the state, the Jefferson School Board acknowledges this commitment and will ensure that a program of equal educational opportunity exists for all students in the School District of Jefferson.

It is the policy of the School District of Jefferson, pursuant to §118.13, Wis. Stats., and ¶19, that no person, on the basis of sex, race, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation or physical, mental, emotional, or learning disability, may be harassed, or denied admission to any school in this district, or be denied participation in, be denied the benefits of, or be discriminated against in any curricular, extracurricular, pupil services, recreational, or other program.

This policy also prohibits discrimination under related federal statutes, including Title VI of the Civil Rights Act of 1964 (race and national origin), Title IX of the Education Amendments of 1972 (sex), and Section 504 of the Rehabilitation Act of 1973 (handicap).

It shall be the responsibility of the high school principal to examine existing policies and develop new policies where needed to ensure the School District of Jefferson does not discriminate pursuant to federal and state law. The principal is designated annually to receive complaints filed under §118.13.Wis. Stats. ¶19.Wis. Admin. Code, Title IX of the Education Amendments, and Section 504 of the Rehabilitation Act of 1973. He/she shall assure adoption of a complaint procedure to resolve complaints alleging violation of these laws, assure that an evaluation of the district's compliance with §118.13. Wis. Stats. is completed every five years under ¶19, Wis. Admin. Code and submit Form PI-1197 to the Department of Public Instruction annually.

ADVANCED PLACEMENT (AP) COURSES: Students are encouraged to take courses that will best meet their educational needs. For some students, Jefferson High School offers courses at a high level of curricular rigor that replicates college level coursework. For these students a set of Advanced Placement (AP) courses is taught. These courses are developed to enable students to pass the Advanced Placement exam given in the spring of each year. Students who receive an appropriate score on the exam are able to use this as college credit. Students in AP courses are expected to take this exam (cost is partially covered by the district). AP Courses currently offered at Jefferson High School include AP Biology, AP Calculus, AP Chemistry, AP English Language&Composition, AP English Literature&Composition, AP European History, AP Microeconomics, AP Physics, AP Psychology, and AP Spanish.

ADVANCED STANDING (AS) COURSES: Madison Area Technical College will grant advanced standing credit to program students for successfully completed courses that are designated in a formal MATC articulation agreement with Jefferson High School. Students must present the appropriate high school documentation to Madison Area Technical College for credit. Advanced Standing courses are identified in the Business Education portion of this catalog.

DUAL CREDIT COURSES: Madison Area Technical College, in a formal agreement with Jefferson High School, will grant a student Madison College credit for identified courses taken in high school provided the course(s) meet agreed upon curriculum standards, is taught by a properly certified/trained teacher, and the student successfully completes the course(s) with a C or better. Students also receive high school credit for taking the course(s). Information about dual credit courses may be obtained from the school counselors.

WISCONSIN'S YOUTH OPTIONS PROGRAM

Wisconsin's Youth Options program allows juniors and seniors who meet certain requirements to take post-secondary courses at a UW institution, a Wisconsin technical college or one of the state's participating private nonprofit institutions of higher education. Approved courses can count toward high school graduation, as well as for college credit.

Under Youth Options a student will not have to pay for a college course if the school board determines the course qualifies for high school credit and is not comparable to a course already offered in the school district. If the course is approved by the school board, the student can receive one-quarter high school credit for every one college credit earned upon successful completion of the course. A student who successfully completes his or her high school graduation requirements will earn a high school diploma regardless of whether the requirements were met while attending the high school or a college.

To obtain the necessary forms or to discuss the possibility of participating in the Youth Options program, contact the Jefferson High School Counseling office. **Applications for enrollment in the Youth Options program must be made by March 1st for courses to be taken during the following fall semester and October 1st for the following spring semester.**

INDEPENDENT STUDY COURSEWORK

A student may request enrollment in a course through Independent Study under any one of the following circumstances:

- a) A course which is offered in the course handbook is not scheduled due to insufficient student enrollment, and the instructor agrees to work independently with the student to provide the course;
- b) The student has completed every level the high school offers in an area of study, and the instructor agrees to work independently with the student to provide advanced study of the subject;
- c) A student has an unresolvable conflict with another course, and the instructor agrees to work independently with the student to provide an opportunity for the student to participate in the class;
- d) A student wishes to pursue an area of interest beyond the curriculum, and a certified teacher with expertise in the area agrees to work independently with the student to provide an opportunity for the student to pursue this area of study.

A student may discuss the possibility of an Independent Study course with a teacher; however, the instructor is under no obligation to provide an Independent Study course.

Before an Independent Study course will be approved, the student must meet with his/her counselor to complete the necessary contract and schedule arrangements. The contract shall include a detailed outline or written description of the Independent Study project. Projects must be of significant rigor and should be at least equal to a regular course. The Jefferson High School Principal shall make final approval of Independent Study contract proposals.

ADDITIONAL COURSEWORK FOR CREDIT. Students are encouraged to seek other high quality educational opportunities. **If a student desires to receive high school credit, he or she must apply to the principal in writing prior to taking a course.**

Juniors and seniors also have an opportunity to work with the school in gaining additional educational opportunities during the school day. These opportunities may be paid or unpaid or for credit or no credit. However, they must be tied to a student's educational program.

REQUIRED COURSES

GRADE 9

Course Title	Credit Value	Notes
Physical Education	.50	
U.S. History	1.00	
Health	.50	
English:		
English 9	1.00	
Language Arts 9	1.00	Assigned by department or counselor
Science: (Select one)		
Physical Science	1.00	
Honors Biology	1.00	Assigned by department or counselor
Mathematics: (Select one)		
Algebra A	1.00	
Algebra	1.00	
Geometry 9	1.00	For advanced students passing Algebra in 8th grade

Reminder: Although it is not required as a freshman, students must complete one credit of vocational and one credit of humanities prior to graduation.

GRADE 10

Course Title	Credit Value	Notes
World Geography	.50	
Employability Skills	.50	
Physical Education: (Select one)		
Individual Sports	.50	
Personal Wellness	.50	
Team Sports	.50	
English:		
English 10	1.00	
Honors English 10	1.00	Assigned by department or counselor
Language Arts 10	1.00	Assigned by department or counselor
Science: (Select one)		
General Biology	1.00	
Biology	1.00	
Honors Biology	1.00	Assigned by department or counselor
Chemistry	1.00	
Mathematics: (Select one)		
Algebra B/Geometry A	.50/.50	Semester 1/Semester 2
Geometry	1.00	Student may take Geometry and Advanced Algebra concurrently with department approval
Adv Algebra	1.00	

GRADE 11

Course Title	Credit Value	Notes
World Civilization	.50	AP European History may replace the World Civilization requirement with successful completion of <u>both</u> semesters.
Civics	.50	
Physical Education: (Select one)		
Individual Sports	.50	
Personal Wellness	.50	
Team Sports	.50	
*English:		
Select a minimum of one (1.0) credit of English.		

GRADE 12

Course Title	Credit Value	Notes
Social Problems	.50	
Consumer Economics	.50	AP MicroEconomics may replace the Consumer Economics requirement with successful completion of <u>both</u> semesters.
*English:		
Select a minimum of one (1.0) credit of English.		

Reminder: Prior to graduation, students are required to take one credit of a Vocational course (Business Ed, Agriculture, Family and Consumer Education, or Technology Education) and one credit of Humanities (Music, Art, Theatre or Foreign Language).

*To satisfy graduation requirements in English, students must successfully complete .50 credit writing course and .50 credit literature course within the junior and senior years.

UW SYSTEM REQUIREMENTS:

All UW System institutions require a **minimum** of 17 college preparatory credits (1 credit = 1 year) from course work completed in high school.

English:	4 credits
Mathematics:	3 credits
Natural science:	3 credits
Social science:	3 credits
Elective credits:	4 credits

Electives may be chosen from English, mathematics, natural science or social science, foreign language, fine arts, computer science and other academic areas. Some campuses may accept technical and career courses for a portion of these credits. A **minimum** of two credits in a single foreign language is required for admission to UW-Eau Claire and UW-Madison, and may help meet graduation requirements at other UW System campuses.

College preparatory credits should be distributed as follows:

English: Accepted English courses are in composition, literature and rhetoric. Several campuses require at least three credits in composition and literature. Most regular and advanced English courses are accepted. Courses not accepted tend to be those emphasizing applied skills, performance or technical production.

Mathematics: Algebra, geometry and other mathematics courses with algebra or geometry as prerequisites are accepted. Courses are typically not accepted if they are taught prior to first-year algebra, do not have algebra or geometry as a prerequisite or are computer-based classes. "Transition to College Math" may not count at some institutions.













Natural science: Courses accepted include biology, chemistry and physics. These courses emphasize theory and include a lab. Other courses often accepted include astronomy, earth science, geology and physical science.

Social science: Courses accepted include theoretical study of culture, history, political science, economics and human behavior and societies (such as sociology and psychology). Courses in applied social science are not accepted.

Excerpt from 2011-2012 Introduction to UW System guidebook)

Programs of Study - The 16 Career Clusters

Career Clusters are an organizing tool for schools to help students make course selections that will prepare them for various career choices. The following 16 Career Clusters organize occupations within each Cluster into Pathways that are designed to guide a student's course selections throughout high school. Students will be required to complete a Pathway for a selected career interest. The following Career Clusters are included:

	<p>The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.</p>
	<p>Careers in designing, planning, managing, building and maintaining the built environment.</p>
	<p>Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.</p>
	<p>Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.</p>
	<p>Planning, managing and providing education and training services, and related learning support services.</p>
	<p>Planning, services for financial and investment planning, banking, insurance, and business financial management.</p>
	<p>Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.</p>
	<p>Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.</p>
	<p>Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.</p>
	<p>Preparing individuals for employment in career pathways that relate to families and human needs.</p>
	<p>Building Linkages in IT Occupations Framework: For Entry Level, Technical, and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.</p>
	<p>Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.</p>
	<p>Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.</p>
	<p>Planning, managing, and performing marketing activities to reach organizational objectives.</p>
	<p>Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.</p>
	<p>Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.</p>

Career Cluster: Agriculture, Food & Natural Resources Pathway



HIGH SCHOOL	9th Grade	10th Grade	11th Grade	12th Grade	
	Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 9 <input type="checkbox"/> <i>Language Arts 9</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra A <input type="checkbox"/> Algebra <input type="checkbox"/> Geometry <u>One of the following Science:</u> <input type="checkbox"/> Physical Science <input type="checkbox"/> Honors Biology <u>Social Science:</u> <input type="checkbox"/> US History	Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 10 <input type="checkbox"/> Advanced English 10 <input type="checkbox"/> <i>Language Arts 10</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra B/Geometry A <input type="checkbox"/> Geometry <input type="checkbox"/> Adv Algebra <u>One of the following Science:</u> <input type="checkbox"/> Biology <input type="checkbox"/> Honors Biology <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <u>Social Science:</u> <input type="checkbox"/> World Geography	Required Core Courses **English: 1 credit *Math: *Science: Social Science: <input type="checkbox"/> Civics <input type="checkbox"/> World Civilization or AP European History	Required Core Courses **English: 1 credit *Math: *Science: Social Science: <input type="checkbox"/> Social Problems <input type="checkbox"/> Consumer Economics or AP Micro Economics	
	Key: Italic courses are typically not considered approved for 4-year college entrance * 3 year minimum required for 4-year college/university admission ** See counselor for recommendations				
	Other Required Courses <input type="checkbox"/> Health <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Employability Skills <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	
	Program Related Elective Courses <input type="checkbox"/> Agriculture Survey <input type="checkbox"/> Microsoft Office Essentials <input type="checkbox"/> Technology Applications <input type="checkbox"/> Technology Skills	Program Related Elective Courses <input type="checkbox"/> Accounting I <input type="checkbox"/> Agriculture Shop Skills <input type="checkbox"/> Greenhouses and Plants <input type="checkbox"/> Veterinary/Animal Science	Program Related Elective Courses <input type="checkbox"/> Accounting II <input type="checkbox"/> Chemistry <input type="checkbox"/> Dairy Science <input type="checkbox"/> Food Technology <input type="checkbox"/> Landscaping and Gardens <input type="checkbox"/> Tractor Maintenance	Program Related Elective Courses <input type="checkbox"/> Adv Foods/Food Science <input type="checkbox"/> Ag Coop <input type="checkbox"/> Agriculture Equipment & Machinery <input type="checkbox"/> AP Biology <input type="checkbox"/> AP Chemistry <input type="checkbox"/> Geoscience <input type="checkbox"/> Large Animal Science <input type="checkbox"/> Plant, Soil & Water Conservation	
	Other Helpful Elective Courses <input type="checkbox"/> Business Electives <input type="checkbox"/> Technology Ed Electives	Other Helpful Elective Courses <input type="checkbox"/> Business Electives <input type="checkbox"/> Technology Ed Electives	Other Helpful Elective Courses <input type="checkbox"/> Business Electives <input type="checkbox"/> Technology Ed Electives	Other Helpful Elective Courses <input type="checkbox"/> Business Electives <input type="checkbox"/> Technology Ed Electives	
	Wisconsin Technical College System www.witechcolleges.com		College/University System www.uwhelp.wisconsin.edu		
	<input type="checkbox"/> Agribusiness/Science Tech <input type="checkbox"/> Agricultural Equipment Tech <input type="checkbox"/> Arboriculture-Urban Forestry <input type="checkbox"/> Biotechnology Laboratory Tech <input type="checkbox"/> Dairy Herd Management <input type="checkbox"/> Environmental/Pollution Control <input type="checkbox"/> Farm Business Production <input type="checkbox"/> Farm Operation	<input type="checkbox"/> Golf Course Management <input type="checkbox"/> Health Physic Technician <input type="checkbox"/> Horticulture <input type="checkbox"/> Laboratory Animal Tech <input type="checkbox"/> Landscape Horticulture <input type="checkbox"/> Natural Resources Tech <input type="checkbox"/> Veterinary Technician <input type="checkbox"/> Water Quality Tech	<input type="checkbox"/> Agricultural Journalism <input type="checkbox"/> Agricultural Studies <input type="checkbox"/> Agronomy <input type="checkbox"/> Animal Science <input type="checkbox"/> Conservation <input type="checkbox"/> Dairy Science <input type="checkbox"/> Forestry <input type="checkbox"/> Horticulture <input type="checkbox"/> Paper Science		
	Work/School Activities <input type="checkbox"/> Career Development Events <input type="checkbox"/> Career Shows <input type="checkbox"/> FFA <input type="checkbox"/> Leadership Workshops <input type="checkbox"/> Speaking contests	Job Shadows/Community Service <input type="checkbox"/> Alumni Activities <input type="checkbox"/> Fair Projects <input type="checkbox"/> FFA Week <input type="checkbox"/> Guest Speakers <input type="checkbox"/> Mentors <input type="checkbox"/> SAE's <input type="checkbox"/> Tractor Contests		Youth Apprenticeship <input type="checkbox"/> Biotechnology <input type="checkbox"/> Agriculture	
	CAREER ENHANCEMENT				

Career Cluster: Architecture & Construction Pathway



HIGH SCHOOL	9th Grade Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 9 <input type="checkbox"/> <i>Language Arts 9</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra A <input type="checkbox"/> Algebra <input type="checkbox"/> Geometry <u>One of the following Science:</u> <input type="checkbox"/> Physical Science <input type="checkbox"/> Honors Biology Social Science: <input type="checkbox"/> US History	10th Grade Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 10 <input type="checkbox"/> Advanced English 10 <input type="checkbox"/> <i>Language Arts 10</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra B/Geometry A <input type="checkbox"/> Geometry <input type="checkbox"/> Adv Algebra <u>One of the following Science:</u> <input type="checkbox"/> Biology <input type="checkbox"/> Honors Biology <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics Social Science: <input type="checkbox"/> World Geography	11th Grade Required Core Courses **English: 1 credit *Math: *Science: Social Science: <input type="checkbox"/> Civics <input type="checkbox"/> World Civilization or AP European History	12th Grade Required Core Courses **English: 1 credit *Math: *Science: Social Science: <input type="checkbox"/> Social Problems <input type="checkbox"/> Consumer Economics or AP Micro Economics
	Key: <i>Italic courses are typically not considered approved for 4-year college entrance</i> * 3 year minimum required for 4-year college/university admission ** See counselor for recommendations			
	Other Required Courses <input type="checkbox"/> Health <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Employability Skills <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational
	Program Related Elective Courses <input type="checkbox"/> Agriculture Survey <input type="checkbox"/> Art Exploration <input type="checkbox"/> Drawing and Painting I <input type="checkbox"/> Introduction to Business <input type="checkbox"/> Microsoft Office Essentials <input type="checkbox"/> Technology Applications <input type="checkbox"/> Technology Skills	Program Related Elective Courses <input type="checkbox"/> Advanced Microsoft Office <input type="checkbox"/> Architectural Design I <input type="checkbox"/> Drawing and Painting II <input type="checkbox"/> Home Maintenance <input type="checkbox"/> Woodworking Techniques	Program Related Elective Courses <input type="checkbox"/> Accounting I <input type="checkbox"/> Architectural Design II <input type="checkbox"/> Custom Cabinetmaking <input type="checkbox"/> Drawing III <input type="checkbox"/> Wood Product Manufacturing	Program Related Elective Courses <input type="checkbox"/> Accounting II <input type="checkbox"/> Building Construction
	Other Helpful Elective Courses	Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Art Electives <input type="checkbox"/> Business Electives	Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Art Electives <input type="checkbox"/> Business Electives	Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Art Electives <input type="checkbox"/> Business Electives
	Wisconsin Technical College System www.witechcolleges.com		College/University System www.uwhelp.wisconsin.edu	
	<input type="checkbox"/> Air Conditioning, Heating & Refrigeration Technology <input type="checkbox"/> Architectural Design <input type="checkbox"/> Architectural Drafting/Construction Technology <input type="checkbox"/> Architectural Woodworking/Cabinet Making <input type="checkbox"/> Bricklaying & Masonry <input type="checkbox"/> Carpentry <input type="checkbox"/> Construction <input type="checkbox"/> Electrical Power Distribution & Remodeling	<input type="checkbox"/> Electricity <input type="checkbox"/> Gas Utility Construction & Service <input type="checkbox"/> Land Survey Technician <input type="checkbox"/> Model Building Design & Construction <input type="checkbox"/> Preparatory Plumbing <input type="checkbox"/> Residential Building Systems Specialist <input type="checkbox"/> Wood Tech	<input type="checkbox"/> Architectural Studies <input type="checkbox"/> Construction <input type="checkbox"/> Engineering <input type="checkbox"/> Landscape Architecture <input type="checkbox"/> Occupational Safety <input type="checkbox"/> Paper Science <input type="checkbox"/> Urban Planning	
	Work/School Activities <input type="checkbox"/> J-Tech Club <input type="checkbox"/> Stagecraft Tech Club	Job Shadows/Community Service <input type="checkbox"/> Employability Skills Job Shadow		Youth Apprenticeship <input type="checkbox"/> Drafting & Design/Architecture <input type="checkbox"/> Drafting & Design/Engineering <input type="checkbox"/> Drafting & Design/Mechanical
	CAREER ENHANCEMENT			

Career Cluster: Arts, A/V Technology & Communication Pathway



HIGH SCHOOL	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 9 <input type="checkbox"/> <i>Language Arts 9</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra A <input type="checkbox"/> Algebra <input type="checkbox"/> Geometry <u>One of the following Science:</u> <input type="checkbox"/> Physical Science <input type="checkbox"/> Honors Biology <u>Social Science:</u> <input type="checkbox"/> US History	Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 10 <input type="checkbox"/> Advanced English 10 <input type="checkbox"/> <i>Language Arts 10</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra B/Geometry A <input type="checkbox"/> Geometry <input type="checkbox"/> Adv Algebra <u>One of the following Science:</u> <input type="checkbox"/> Biology <input type="checkbox"/> Honors Biology <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <u>Social Science:</u> <input type="checkbox"/> World Geography	Required Core Courses **English: 1 credit *Math: *Science: <u>Social Science:</u> <input type="checkbox"/> Civics <input type="checkbox"/> World Civilization or AP European History	Required Core Courses **English: 1 credit *Math: *Science: <u>Social Science:</u> <input type="checkbox"/> Social Problems <input type="checkbox"/> Consumer Economics or AP Micro Economics
	Key:	Italic courses are typically not considered approved for 4-year college entrance * 3 year minimum required for 4-year college/university admission ** See counselor for recommendations		
	Other Required Courses	Other Required Courses	Other Required Courses	Other Required Courses
	<input type="checkbox"/> Health <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	<input type="checkbox"/> Employability Skills <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	<input type="checkbox"/> Phy Ed <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	<input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational
	Program Related Elective Courses	Program Related Elective Courses	Program Related Elective Courses	Program Related Elective Courses
	<input type="checkbox"/> Art Exploration <input type="checkbox"/> Intro to Theatre <input type="checkbox"/> MS Office Essentials <input type="checkbox"/> Technology Applications <input type="checkbox"/> Technology Skills	<input type="checkbox"/> Advanced Microsoft Office <input type="checkbox"/> Advanced Theatre <input type="checkbox"/> Electronic Communications <input type="checkbox"/> Graphic Communications	<input type="checkbox"/> Applied Communications <input type="checkbox"/> Desktop Publishing <input type="checkbox"/> Marketing	<input type="checkbox"/> Advanced Marketing <input type="checkbox"/> Mass Media <input type="checkbox"/> Online Applications <input type="checkbox"/> Speech <input type="checkbox"/> Stagecraft
	Other Helpful Elective Courses	Other Helpful Elective Courses	Other Helpful Elective Courses	Other Helpful Elective Courses
	<input type="checkbox"/> Music Electives	<input type="checkbox"/> Art Electives <input type="checkbox"/> Music Electives <input type="checkbox"/> Technology Ed Electives	<input type="checkbox"/> Art Electives <input type="checkbox"/> English Electives <input type="checkbox"/> Music Electives <input type="checkbox"/> Technology Ed Electives	<input type="checkbox"/> Art Electives <input type="checkbox"/> English Electives <input type="checkbox"/> Music Electives <input type="checkbox"/> Technology Ed Electives
	Wisconsin Technical College System www.witechcolleges.com		College/University System www.uwhelp.wisconsin.edu	
<input type="checkbox"/> Animation <input type="checkbox"/> Broadcast Captioning <input type="checkbox"/> Computer Art Graphics <input type="checkbox"/> Graphic Communications <input type="checkbox"/> Graphic Design <input type="checkbox"/> Package and Label Printing <input type="checkbox"/> Photography <input type="checkbox"/> Printing <input type="checkbox"/> Printing and Publishing	<input type="checkbox"/> Radio Broadcasting <input type="checkbox"/> Technical Communications <input type="checkbox"/> Television Production <input type="checkbox"/> Visual Communications	<input type="checkbox"/> Advertising <input type="checkbox"/> Art <input type="checkbox"/> Broadcast Journalism <input type="checkbox"/> Broadcast Production <input type="checkbox"/> Communication Technology <input type="checkbox"/> Digital Arts/Animation <input type="checkbox"/> Electronic Media <input type="checkbox"/> English <input type="checkbox"/> Fine Arts	<input type="checkbox"/> Graphic Design <input type="checkbox"/> Industrial Design <input type="checkbox"/> Interior Design <input type="checkbox"/> Journalism <input type="checkbox"/> Marketing Communications	
Work/School Activities	Job Shadows/Community Service		Youth Apprenticeship	
<input type="checkbox"/> Drama <input type="checkbox"/> Forensics <input type="checkbox"/> National Arts High School <input type="checkbox"/> Tech Crew <input type="checkbox"/> Yearbook	<input type="checkbox"/> Employability Skills Job Shadow <input type="checkbox"/> Volunteering		<input type="checkbox"/> Printing Graphic Arts	

POST-SECONDARY
CAREER ENHANCEMENT

Career Cluster: Business, Management & Administration Pathway



HIGH SCHOOL

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 9 <input type="checkbox"/> <i>Language Arts 9</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra A <input type="checkbox"/> Algebra <input type="checkbox"/> Geometry <u>One of the following Science:</u> <input type="checkbox"/> Physical Science <input type="checkbox"/> Honors Biology <u>Social Science:</u> <input type="checkbox"/> US History	Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 10 <input type="checkbox"/> Advanced English 10 <input type="checkbox"/> <i>Language Arts 10</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra B/Geometry A <input type="checkbox"/> Geometry <input type="checkbox"/> Adv Algebra <u>One of the following Science:</u> <input type="checkbox"/> Biology <input type="checkbox"/> Honors Biology <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <u>Social Science:</u> <input type="checkbox"/> World Geography	Required Core Courses **English: 1 credit *Math: *Science: Social Science: <input type="checkbox"/> Civics <input type="checkbox"/> World Civilization or AP European History	Required Core Courses **English: 1 credit *Math: *Science: Social Science: <input type="checkbox"/> Social Problems <input type="checkbox"/> Consumer Economics or AP Micro Economics

Key: *Italic courses are typically not considered approved for 4-year college entrance*
 * 3 year minimum required for 4-year college/university admission
 ** See counselor for recommendations

POST-SECONDARY

Other Required Courses <input type="checkbox"/> Health <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Employability Skills <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational
Program Related Elective Courses <input type="checkbox"/> Introduction to Business <input type="checkbox"/> MS Office Essentials	Program Related Elective Courses <input type="checkbox"/> Advanced MS Office <input type="checkbox"/> Marketing	Program Related Elective Courses <input type="checkbox"/> Accounting I <input type="checkbox"/> Advanced Marketing <input type="checkbox"/> Desktop Publishing <input type="checkbox"/> Intro to Philosophy <input type="checkbox"/> Leadership Development <input type="checkbox"/> Pre-Business Coop <input type="checkbox"/> Psychology <input type="checkbox"/> You're the Boss	Program Related Elective Courses <input type="checkbox"/> Accounting II <input type="checkbox"/> AP Psychology <input type="checkbox"/> Business Coop <input type="checkbox"/> Contemporary Issues <input type="checkbox"/> Office Aide <input type="checkbox"/> Online Applications <input type="checkbox"/> Personal Finance <input type="checkbox"/> Speech <input type="checkbox"/> Statistics
Other Helpful Elective Courses <input type="checkbox"/> Art Electives	Other Helpful Elective Courses <input type="checkbox"/> Art Electives	Other Helpful Elective Courses <input type="checkbox"/> Art Electives	Other Helpful Elective Courses <input type="checkbox"/> Art Electives

Wisconsin Technical College System www.witechcolleges.com College/University System www.uwhelp.wisconsin.edu

<input type="checkbox"/> Accounting <input type="checkbox"/> Administrative Assistant <input type="checkbox"/> Bilingual Office Assistant <input type="checkbox"/> Business Software Applications <input type="checkbox"/> Business & Technology Coordinator <input type="checkbox"/> Business Mid-Management <input type="checkbox"/> e-Commerce/Web Admin <input type="checkbox"/> Global Business Specialist <input type="checkbox"/> Health Care Business Services <input type="checkbox"/> Human Resources <input type="checkbox"/> Info Processing Specialist	<input type="checkbox"/> Legal Secretary <input type="checkbox"/> Medical Administrative Spec <input type="checkbox"/> Medical Transcription <input type="checkbox"/> Paralegal <input type="checkbox"/> Property Management Assoc. <input type="checkbox"/> Quality Management <input type="checkbox"/> Real Estate Brokerage <input type="checkbox"/> Retail Management <input type="checkbox"/> Small Business Operation <input type="checkbox"/> Supervisory Management <input type="checkbox"/> Travel Services <input type="checkbox"/> Web Developer	<input type="checkbox"/> Accounting <input type="checkbox"/> Actuarial Science <input type="checkbox"/> Business Administration <input type="checkbox"/> Economics <input type="checkbox"/> Finance <input type="checkbox"/> Hotel, Restaurant Management <input type="checkbox"/> Industrial Management <input type="checkbox"/> International Business <input type="checkbox"/> Management <input type="checkbox"/> Marketing <input type="checkbox"/> Real Estate <input type="checkbox"/> Transportation
---	--	---

CAREER ENHANCEMENT

Work/School Activities	Job Shadows/Community Service	Youth Apprenticeship
<input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> Forensics <input type="checkbox"/> Leadership Seminars <input type="checkbox"/> Student Council	<input type="checkbox"/> Chamber of Commerce Projects <input type="checkbox"/> Community Service and Volunteering <input type="checkbox"/> Employability Skills Job Shadow <input type="checkbox"/> Youth organization	<input type="checkbox"/> Financial Services <input type="checkbox"/> Hospitality and Tourism <input type="checkbox"/> Information Technology

Career Cluster: Education & Training Pathway



HIGH SCHOOL

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 9 <input type="checkbox"/> <i>Language Arts 9</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra A <input type="checkbox"/> Algebra <input type="checkbox"/> Geometry <u>One of the following Science:</u> <input type="checkbox"/> Physical Science <input type="checkbox"/> Honors Biology <u>Social Science:</u> <input type="checkbox"/> US History	Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 10 <input type="checkbox"/> Advanced English 10 <input type="checkbox"/> <i>Language Arts 10</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra B/Geometry A <input type="checkbox"/> Geometry <input type="checkbox"/> Adv Algebra <u>One of the following Science:</u> <input type="checkbox"/> Biology <input type="checkbox"/> Honors Biology <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <u>Social Science:</u> <input type="checkbox"/> World Geography	Required Core Courses **English: 1 credit *Math: *Science: Social Science: <input type="checkbox"/> Civics <input type="checkbox"/> World Civilization or AP European History	Required Core Courses **English: 1 credit *Math: *Science: Social Science: <input type="checkbox"/> Social Problems <input type="checkbox"/> Consumer Economics or AP Micro Economics

Key: *Italic courses are typically not considered approved for 4-year college entrance*
 * 3 year minimum required for 4-year college/university admission
 ** See counselor for recommendations

Other Required Courses	Other Required Courses	Other Required Courses	Other Required Courses
<input type="checkbox"/> Health <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	<input type="checkbox"/> Employability Skills <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	<input type="checkbox"/> Phy Ed <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	<input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational

Program Related Elective Courses	Program Related Elective Courses	Program Related Elective Courses	Program Related Elective Courses
<input type="checkbox"/> Contemporary Family Relations <input type="checkbox"/> Microsoft Office Essentials	<input type="checkbox"/> Advanced Microsoft Office <input type="checkbox"/> Parents and Children	<input type="checkbox"/> Psychology <input type="checkbox"/> Speech <input type="checkbox"/> Intro to Child Services/Lab <input type="checkbox"/> Teens Teaching Teens <input type="checkbox"/> Tutoring	<input type="checkbox"/> Statistics <input type="checkbox"/> AP Psychology <input type="checkbox"/> Teens Teaching Teens <input type="checkbox"/> Tutoring

Other Helpful Elective Courses	Other Helpful Elective Courses	Other Helpful Elective Courses	Other Helpful Elective Courses
<input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Art Exploration <input type="checkbox"/> FACE Electives <input type="checkbox"/> Music Electives <input type="checkbox"/> Technology Ed Electives	<input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Art Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> FACE Electives <input type="checkbox"/> Music Electives <input type="checkbox"/> Technology Ed Electives	<input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Art Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> English Electives <input type="checkbox"/> FACE Electives <input type="checkbox"/> Music Electives <input type="checkbox"/> Social Studies Electives <input type="checkbox"/> Technology Ed Electives	<input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Art Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> English Electives <input type="checkbox"/> FACE Electives <input type="checkbox"/> Music Electives <input type="checkbox"/> Social Studies Electives <input type="checkbox"/> Technology Ed Electives

Wisconsin Technical College System www.witechcolleges.com	College/University System www.uwhelp.wisconsin.edu
<input type="checkbox"/> Human Resources <input type="checkbox"/> Human Resources/Business <input type="checkbox"/> Administration <input type="checkbox"/> Child Care Services <input type="checkbox"/> Early Childhood Education <input type="checkbox"/> Educational Interpreter	<input type="checkbox"/> Ag Education <input type="checkbox"/> Art Education <input type="checkbox"/> Business Education <input type="checkbox"/> Coaching <input type="checkbox"/> Community Education <input type="checkbox"/> Elem or Secondary Education <input type="checkbox"/> Music Education <input type="checkbox"/> Physical Education <input type="checkbox"/> English Education <input type="checkbox"/> FACE Education <input type="checkbox"/> Math Education <input type="checkbox"/> Outdoor Education <input type="checkbox"/> Social Studies Education <input type="checkbox"/> Special Education <input type="checkbox"/> Technology Education

POST-SECONDARY CAREER ENHANCEMENT

Work/School Activities	Job Shadows/Community Service	Youth Apprenticeship
<input type="checkbox"/> National Arts High School <input type="checkbox"/> STAR <input type="checkbox"/> Key Club	<input type="checkbox"/> Employability Skills Job Shadow <input type="checkbox"/> Mentoring <input type="checkbox"/> Tutoring <input type="checkbox"/> Volunteering/helping with children	<input type="checkbox"/> Information Technology

Career Cluster: Finance Pathway



HIGH SCHOOL

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 9 <input type="checkbox"/> <i>Language Arts 9</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra A <input type="checkbox"/> Algebra <input type="checkbox"/> Geometry <u>One of the following Science:</u> <input type="checkbox"/> Physical Science <input type="checkbox"/> Honors Biology <u>Social Science:</u> <input type="checkbox"/> US History	Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 10 <input type="checkbox"/> Advanced English 10 <input type="checkbox"/> <i>Language Arts 10</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra B/Geometry A <input type="checkbox"/> Geometry <input type="checkbox"/> Adv Algebra <u>One of the following Science:</u> <input type="checkbox"/> Biology <input type="checkbox"/> Honors Biology <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <u>Social Science:</u> <input type="checkbox"/> World Geography	Required Core Courses <u>**English:</u> 1 credit <u>*Math:</u> <u>*Science:</u> <u>Social Science:</u> <input type="checkbox"/> Civics <input type="checkbox"/> World Civilization or AP European History	Required Core Courses <u>**English:</u> 1 credit <u>*Math:</u> <u>*Science:</u> <u>Social Science:</u> <input type="checkbox"/> Social Problems <input type="checkbox"/> Consumer Economics or AP Micro Economics

Key: Italic courses are typically not considered approved for 4-year college entrance
 * 3 year minimum required for 4-year college/university admission
 ** See counselor for recommendations

POST-SECONDARY

Other Required Courses <input type="checkbox"/> Health <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Employability Skills <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational
Program Related Elective Courses <input type="checkbox"/> Intro to Business <input type="checkbox"/> MS Office Essentials	Program Related Elective Courses <input type="checkbox"/> Advanced MS Office <input type="checkbox"/> Accounting I	Program Related Elective Courses <input type="checkbox"/> Accounting II <input type="checkbox"/> Marketing <input type="checkbox"/> Personal Finance <input type="checkbox"/> Pre-Coop	Program Related Elective Courses <input type="checkbox"/> Advanced Marketing <input type="checkbox"/> Business Coop <input type="checkbox"/> Statistics <input type="checkbox"/> Speech
Other Helpful Elective Courses <input type="checkbox"/> Business Electives <input type="checkbox"/> Social Studies Electives	Other Helpful Elective Courses <input type="checkbox"/> Business Electives <input type="checkbox"/> Social Studies Electives	Other Helpful Elective Courses <input type="checkbox"/> Business Electives <input type="checkbox"/> Social Studies Electives	Other Helpful Elective Courses <input type="checkbox"/> Business Electives <input type="checkbox"/> Social Studies Electives

Wisconsin Technical College System www.witechcolleges.com College/University System www.uwhelp.wisconsin.edu

<input type="checkbox"/> Banking & Financial Services <input type="checkbox"/> Finance <input type="checkbox"/> Financial Institutions Management <input type="checkbox"/> Financial Planning Associate <input type="checkbox"/> Financial Services Rep <input type="checkbox"/> Quality Assurance Technician <input type="checkbox"/> Security Loss Prevention	<input type="checkbox"/> Accounting <input type="checkbox"/> Business Administration <input type="checkbox"/> Economics <input type="checkbox"/> Entrepreneurship <input type="checkbox"/> Finance <input type="checkbox"/> Management <input type="checkbox"/> Marketing
---	---

CAREER ENHANCEMENT

Work/School Activities <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> School Store <input type="checkbox"/> Reality Day	Job Shadows/Community Service <input type="checkbox"/> Employability Skills Job Shadow	Youth Apprenticeship <input type="checkbox"/> Finance
--	--	---

Career Cluster: Government & Public Administration Pathway



HIGH SCHOOL

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 9 <input type="checkbox"/> <i>Language Arts 9</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra A <input type="checkbox"/> Algebra <input type="checkbox"/> Geometry <u>One of the following Science:</u> <input type="checkbox"/> Physical Science <input type="checkbox"/> Honors Biology <u>Social Science:</u> <input type="checkbox"/> US History	Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 10 <input type="checkbox"/> Advanced English 10 <input type="checkbox"/> <i>Language Arts 10</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra B/Geometry A <input type="checkbox"/> Geometry <input type="checkbox"/> Adv Algebra <u>One of the following Science:</u> <input type="checkbox"/> Biology <input type="checkbox"/> Honors Biology <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <u>Social Science:</u> <input type="checkbox"/> World Geography	Required Core Courses <u>**English:</u> 1 credit <u>*Math:</u> <u>*Science:</u> <u>Social Science:</u> <input type="checkbox"/> Civics <input type="checkbox"/> World Civilization or AP European History	Required Core Courses <u>**English:</u> 1 credit <u>*Math:</u> <u>*Science:</u> <u>Social Science:</u> <input type="checkbox"/> Social Problems <input type="checkbox"/> Consumer Economics or AP Micro Economics

Key: Italic courses are typically not considered approved for 4-year college entrance
 * 3 year minimum required for 4-year college/university admission
 ** See counselor for recommendations

POST-SECONDARY

Other Required Courses <input type="checkbox"/> Health <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Employability Skills <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational
Program Related Elective Courses <input type="checkbox"/> Contemporary Issues <input type="checkbox"/> Microsoft Office Essentials	Program Related Elective Courses <input type="checkbox"/> Accounting I <input type="checkbox"/> Advanced Microsoft Office <input type="checkbox"/> Leadership Development	Program Related Elective Courses <input type="checkbox"/> AP Government and Politics <input type="checkbox"/> Psychology <input type="checkbox"/> Speech	Program Related Elective Courses <input type="checkbox"/> AP Psychology <input type="checkbox"/> Intro to Philosophy
Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Business Electives	Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Business Electives	Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Business Electives	Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Business Electives

Wisconsin Technical College System www.witechcolleges.com College/University System www.uwhelp.wisconsin.edu

<input type="checkbox"/> Administrative Assistant <input type="checkbox"/> Banking & Financial Services <input type="checkbox"/> Bilingual Office Assistant <input type="checkbox"/> Community Dev. Disabilities <input type="checkbox"/> Criminal Justice-Corrections <input type="checkbox"/> Criminal Justice-Law <input type="checkbox"/> Emergency Medical Tech <input type="checkbox"/> Enforcement <input type="checkbox"/> Environmental & Pollution Control	<input type="checkbox"/> Fire Science <input type="checkbox"/> Global Business Specialist <input type="checkbox"/> Information Security Specialist <input type="checkbox"/> Interpreter <input type="checkbox"/> Judicial Reporting <input type="checkbox"/> Legal Secretary <input type="checkbox"/> Paralegal <input type="checkbox"/> Paramedic Technician <input type="checkbox"/> Technical Communications <input type="checkbox"/> Web Developer	<input type="checkbox"/> Criminal Justice <input type="checkbox"/> Environmental Law Enforcement <input type="checkbox"/> Human Services <input type="checkbox"/> Legal Studies <input type="checkbox"/> Public Administration <input type="checkbox"/> Recreation Management
--	---	--

CAREER ENHANCEMENT

Work/School Activities	Job Shadows/Community Service <input type="checkbox"/> Employability Skills Job Shadow	Youth Apprenticeship <input type="checkbox"/> Information Technology
-------------------------------	--	--

Career Cluster: Health Science Pathway



HIGH SCHOOL

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 9 <input type="checkbox"/> <i>Language Arts 9</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra A <input type="checkbox"/> Algebra <input type="checkbox"/> Geometry <u>One of the following Science:</u> <input type="checkbox"/> Physical Science <input type="checkbox"/> Honors Biology <u>Social Science:</u> <input type="checkbox"/> US History	Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 10 <input type="checkbox"/> Advanced English 10 <input type="checkbox"/> <i>Language Arts 10</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra B/Geometry A <input type="checkbox"/> Geometry <input type="checkbox"/> Adv Algebra <u>One of the following Science:</u> <input type="checkbox"/> Biology <input type="checkbox"/> Honors Biology <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <u>Social Science:</u> <input type="checkbox"/> World Geography	Required Core Courses **English: 1 credit *Math: *Science: <u>Social Science:</u> <input type="checkbox"/> Civics <input type="checkbox"/> World Civilization or AP European History	Required Core Courses **English: 1 credit *Math: *Science: <u>Social Science:</u> <input type="checkbox"/> Social Problems <input type="checkbox"/> Consumer Economics or AP Micro Economics

Key: Italic courses are typically not considered approved for 4-year college entrance
 * 3 year minimum required for 4-year college/university admission
 ** See counselor for recommendations

Other Required Courses	Other Required Courses	Other Required Courses	Other Required Courses
<input type="checkbox"/> Health <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	<input type="checkbox"/> Employability Skills <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	<input type="checkbox"/> Phy Ed <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	<input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational

Program Related Elective Courses	Program Related Elective Courses	Program Related Elective Courses	Program Related Elective Courses
<input type="checkbox"/> Contemporary Family Relations <input type="checkbox"/> Microsoft Office Essentials <input type="checkbox"/> Parents and Children <input type="checkbox"/> Speed, Strength & Conditioning	<input type="checkbox"/> Food Technology <input type="checkbox"/> Human Sexuality <input type="checkbox"/> Intro to Health Occupations	<input type="checkbox"/> Adv Speed, Strength & Conditioning <input type="checkbox"/> Advanced Foods/Food Science <input type="checkbox"/> Anatomy & Physiology <input type="checkbox"/> Certified Nursing Assistant <input type="checkbox"/> Introduction to Health Occupations <input type="checkbox"/> Psychology	<input type="checkbox"/> AP Biology <input type="checkbox"/> AP Chemistry <input type="checkbox"/> AP Psychology <input type="checkbox"/> Fitness for Life <input type="checkbox"/> Lifeguarding <input type="checkbox"/> Speech

Other Helpful Elective Courses	Other Helpful Elective Courses	Other Helpful Elective Courses	Other Helpful Elective Courses
<input type="checkbox"/> Art Electives <input type="checkbox"/> Music Electives <input type="checkbox"/> Social Studies Electives	<input type="checkbox"/> Art Electives <input type="checkbox"/> FACE Electives <input type="checkbox"/> Music Electives <input type="checkbox"/> Social Studies Electives	<input type="checkbox"/> Art Electives <input type="checkbox"/> FACE Electives <input type="checkbox"/> Music Electives <input type="checkbox"/> Social Studies Electives	<input type="checkbox"/> Art Electives <input type="checkbox"/> FACE Electives <input type="checkbox"/> Music Electives <input type="checkbox"/> Social Studies Electives

Wisconsin Technical College System www.witechcolleges.com	College/University System www.uwhelp.wisconsin.edu
<input type="checkbox"/> Adv Intensive Care Paramedic <input type="checkbox"/> Anesthesia Technology <input type="checkbox"/> Cardiovascular Technology <input type="checkbox"/> Chiropractic Technician <input type="checkbox"/> Clinical Laboratory Technician <input type="checkbox"/> Dental Assistant <input type="checkbox"/> Dental Hygienist <input type="checkbox"/> Diagnostic Medical Sonography <input type="checkbox"/> Electroneurodiagnostic Tech <input type="checkbox"/> Emergency Medical Technician <input type="checkbox"/> Health Unit Coordinator <input type="checkbox"/> Healthcare Business Services <input type="checkbox"/> Medical Assistant	<input type="checkbox"/> Medical Coding Specialist <input type="checkbox"/> Medical Transcription <input type="checkbox"/> Medication Assistant <input type="checkbox"/> Nursing Assistant <input type="checkbox"/> Nursing-Associate Degree <input type="checkbox"/> Occupational Therapy Assistant <input type="checkbox"/> Optician Science <input type="checkbox"/> Paramedic Technician <input type="checkbox"/> Pharmacy Technician <input type="checkbox"/> Phlebotomy Technician <input type="checkbox"/> Physical Therapist Assistant <input type="checkbox"/> Surgical Technologist <input type="checkbox"/> Therapeutic Massage

Work/School Activities	Job Shadows/Community Service	Youth Apprenticeship
<input type="checkbox"/> Teacher Aide Phy Ed <input type="checkbox"/> Teacher Aide Science <input type="checkbox"/> Teacher Aide Special Ed	<input type="checkbox"/> Employability Skills Job Shadow <input type="checkbox"/> Volunteer at Hospital or Residential Care Facility	<input type="checkbox"/> Health Services

CAREER ENHANCEMENT POST-SECONDARY

Career Cluster: Hospitality & Tourism Pathway



HIGH SCHOOL

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 9 <input type="checkbox"/> <i>Language Arts 9</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra A <input type="checkbox"/> Algebra <input type="checkbox"/> Geometry <u>One of the following Science:</u> <input type="checkbox"/> Physical Science <input type="checkbox"/> Honors Biology <u>Social Science:</u> <input type="checkbox"/> US History	Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 10 <input type="checkbox"/> Advanced English 10 <input type="checkbox"/> <i>Language Arts 10</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra B/Geometry A <input type="checkbox"/> Geometry <input type="checkbox"/> Adv Algebra <u>One of the following Science:</u> <input type="checkbox"/> Biology <input type="checkbox"/> Honors Biology <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <u>Social Science:</u> <input type="checkbox"/> World Geography	Required Core Courses <u>**English:</u> 1 credit <u>*Math:</u> <u>*Science:</u> <u>Social Science:</u> <input type="checkbox"/> Civics <input type="checkbox"/> World Civilization or AP European History	Required Core Courses <u>**English:</u> 1 credit <u>*Math:</u> <u>*Science:</u> <u>Social Science:</u> <input type="checkbox"/> Social Problems <input type="checkbox"/> Consumer Economics or AP Micro Economics

Key: *Italic courses are typically not considered approved for 4-year college entrance*
 * 3 year minimum required for 4-year college/university admission
 ** See counselor for recommendations

Other Required Courses <input type="checkbox"/> Health <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Employability Skills <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational
Program Related Elective Courses <input type="checkbox"/> Introduction to Business <input type="checkbox"/> Microsoft Office Essentials <input type="checkbox"/> Painting & Drawing I	Program Related Elective Courses <input type="checkbox"/> Commercial Art <input type="checkbox"/> Food Technology <input type="checkbox"/> Marketing	Program Related Elective Courses <input type="checkbox"/> Accounting I <input type="checkbox"/> Advanced Marketing <input type="checkbox"/> Desktop Publishing <input type="checkbox"/> Mass Media <input type="checkbox"/> Pre-Coop <input type="checkbox"/> Psychology	Program Related Elective Courses <input type="checkbox"/> Accounting II <input type="checkbox"/> Adv Foods/Food Science <input type="checkbox"/> AP Psychology <input type="checkbox"/> Business Coop <input type="checkbox"/> Speech <input type="checkbox"/> You're the Boss
Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Art Electives	Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Art Electives	Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Art Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> FACE Electives	Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Art Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> FACE Electives

CAREER ENHANCEMENT POST-SECONDARY

Wisconsin Technical College System www.witechcolleges.com	College/University System www.uwhelp.wisconsin.edu	
<input type="checkbox"/> Baking Production <input type="checkbox"/> Baking/Pastry Arts <input type="checkbox"/> Culinary Arts <input type="checkbox"/> Culinary Management <input type="checkbox"/> Facilities Maintenance <input type="checkbox"/> Food and Beverage Prod <input type="checkbox"/> Food Service Aide <input type="checkbox"/> Food Service Production <input type="checkbox"/> Hotel and Restaurant Management <input type="checkbox"/> Hotel/Hospitality Management	<input type="checkbox"/> Marketing and Graphic Communications <input type="checkbox"/> Meeting and Event Management <input type="checkbox"/> Quality Assurance Tech <input type="checkbox"/> Recreation Management <input type="checkbox"/> Retail Management <input type="checkbox"/> Security Loss Prevention <input type="checkbox"/> Travel Services	<input type="checkbox"/> Graphic Communication Management <input type="checkbox"/> Hotel, Restaurant, and Tourism Management <input type="checkbox"/> International Business <input type="checkbox"/> Marketing <input type="checkbox"/> Marketing Communications
Work/School Activities <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> School Store	Job Shadows/Community Service <input type="checkbox"/> Employability Skills Job Shadow <input type="checkbox"/> Volunteer at community based food service facility	Youth Apprenticeship <input type="checkbox"/> Hospitality, Tourism and Lodging

Career Cluster: Human Services Pathway



HIGH SCHOOL

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 9 <input type="checkbox"/> <i>Language Arts 9</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra A <input type="checkbox"/> Algebra <input type="checkbox"/> Geometry <u>One of the following Science:</u> <input type="checkbox"/> Physical Science <input type="checkbox"/> Honors Biology <u>Social Science:</u> <input type="checkbox"/> US History	Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 10 <input type="checkbox"/> Advanced English 10 <input type="checkbox"/> <i>Language Arts 10</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra B/Geometry A <input type="checkbox"/> Geometry <input type="checkbox"/> Adv Algebra <u>One of the following Science:</u> <input type="checkbox"/> Biology <input type="checkbox"/> Honors Biology <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <u>Social Science:</u> <input type="checkbox"/> World Geography	Required Core Courses <u>**English:</u> 1 credit <u>*Math:</u> <u>*Science:</u> <u>Social Science:</u> <input type="checkbox"/> Civics <input type="checkbox"/> World Civilization or AP European History	Required Core Courses <u>**English:</u> 1 credit <u>*Math:</u> <u>*Science:</u> <u>Social Science:</u> <input type="checkbox"/> Social Problems <input type="checkbox"/> Consumer Economics or AP Micro Economics

Key: Italic courses are typically not considered approved for 4-year college entrance
 * 3 year minimum required for 4-year college/university admission
 ** See counselor for recommendations

POST-SECONDARY

Other Required Courses	Other Required Courses	Other Required Courses	Other Required Courses
<input type="checkbox"/> Health <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	<input type="checkbox"/> Employability Skills <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	<input type="checkbox"/> Phy Ed <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	<input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational
Program Related Elective Courses <input type="checkbox"/> Contemporary Family Relations <input type="checkbox"/> Introduction to Business <input type="checkbox"/> Microsoft Office Essentials	Program Related Elective Courses <input type="checkbox"/> Parents and Children <input type="checkbox"/> Adv Microsoft Office <input type="checkbox"/> Contemporary Issues <input type="checkbox"/> Human Sexuality	Program Related Elective Courses <input type="checkbox"/> Into to Child Services/Lab <input type="checkbox"/> Intro to Health Occupations <input type="checkbox"/> Marketing <input type="checkbox"/> Online Applications <input type="checkbox"/> Food Technology <input type="checkbox"/> Psychology <input type="checkbox"/> Tutoring <input type="checkbox"/> Teens Teaching Teens	Program Related Elective Courses <input type="checkbox"/> Adv Foods/Food Science <input type="checkbox"/> AP Psychology <input type="checkbox"/> Intro to Philosophy <input type="checkbox"/> Speech <input type="checkbox"/> Teens Teaching Teens <input type="checkbox"/> Tutoring <input type="checkbox"/> You're the Boss
Other Helpful Elective Courses <input type="checkbox"/> Art Electives	Other Helpful Elective Courses <input type="checkbox"/> Art Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> Social Studies Electives	Other Helpful Elective Courses <input type="checkbox"/> Art Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> English Electives <input type="checkbox"/> Social Studies Electives	Other Helpful Elective Courses <input type="checkbox"/> Art Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> English Electives <input type="checkbox"/> Social Studies Electives
Wisconsin Technical College System www.witechcolleges.com		College/University System www.uwhelp.wisconsin.edu	
<input type="checkbox"/> Alcohol and Other Drug Abuse Associate <input type="checkbox"/> Barber/Cosmetologist <input type="checkbox"/> Child Care Services <input type="checkbox"/> Community Develop. <input type="checkbox"/> Disabilities Associate <input type="checkbox"/> Real Estate Brokerage <input type="checkbox"/> Massage Therapist <input type="checkbox"/> Dietary Manager	<input type="checkbox"/> Dietetic Technician <input type="checkbox"/> Early Childhood Education <input type="checkbox"/> Funeral Service <input type="checkbox"/> Human Services Associate <input type="checkbox"/> Salon Services-Hair and Nail Design	<input type="checkbox"/> Political Science <input type="checkbox"/> Psychology <input type="checkbox"/> Social Welfare <input type="checkbox"/> Social Work <input type="checkbox"/> Sociology <input type="checkbox"/> Urban and Regional Studies	

CAREER ENHANCEMENT

Work/School Activities	Job Shadows/Community Service	Youth Apprenticeship
<input type="checkbox"/> Key Club <input type="checkbox"/> STAR <input type="checkbox"/> Tomorrow's Hope	<input type="checkbox"/> Employability Skills Job Shadow <input type="checkbox"/> Volunteer at Social Service Agency	<input type="checkbox"/> Health Services

Career Cluster: Information Technology Pathway



HIGH SCHOOL

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 9 <input type="checkbox"/> <i>Language Arts 9</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra A <input type="checkbox"/> Algebra <input type="checkbox"/> Geometry <u>One of the following Science:</u> <input type="checkbox"/> Physical Science <input type="checkbox"/> Honors Biology <u>Social Science:</u> <input type="checkbox"/> US History	Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 10 <input type="checkbox"/> Advanced English 10 <input type="checkbox"/> <i>Language Arts 10</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra B/Geometry A <input type="checkbox"/> Geometry <input type="checkbox"/> Adv Algebra <u>One of the following Science:</u> <input type="checkbox"/> Biology <input type="checkbox"/> Honors Biology <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <u>Social Science:</u> <input type="checkbox"/> World Geography	Required Core Courses **English: 1 credit *Math: *Science: <u>Social Science:</u> <input type="checkbox"/> Civics <input type="checkbox"/> World Civilization or AP European History	Required Core Courses **English: 1 credit *Math: *Science: <u>Social Science:</u> <input type="checkbox"/> Social Problems <input type="checkbox"/> Consumer Economics or AP Micro Economics

Key: Italic courses are typically not considered approved for 4-year college entrance
 * 3 year minimum required for 4-year college/university admission
 ** See counselor for recommendations

Other Required Courses <input type="checkbox"/> Health <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Employability Skills <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational
Program Related Elective Courses <input type="checkbox"/> Art Exploration <input type="checkbox"/> Introduction to Business <input type="checkbox"/> MS Office Essentials <input type="checkbox"/> Painting and Drawing I <input type="checkbox"/> Technology Applications <input type="checkbox"/> Technology Skills	Program Related Elective Courses <input type="checkbox"/> Adv Microsoft Office <input type="checkbox"/> Computer Hardware Basics <input type="checkbox"/> Desktop Publishing <input type="checkbox"/> Electronic Communications <input type="checkbox"/> Graphic Communication <input type="checkbox"/> Online Applications <input type="checkbox"/> Painting and Drawing II	Program Related Elective Courses <input type="checkbox"/> Accounting I <input type="checkbox"/> Applied Communications <input type="checkbox"/> Commercial Art <input type="checkbox"/> Computer Repair <input type="checkbox"/> Mass Media <input type="checkbox"/> Painting III	Program Related Elective Courses <input type="checkbox"/> Accounting II <input type="checkbox"/> Advanced Art <input type="checkbox"/> Appl of Communication Systems <input type="checkbox"/> Drawing III
Other Helpful Elective Courses	<input type="checkbox"/> Art Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> Technology Ed Electives	<input type="checkbox"/> Art Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> Technology Ed Electives	<input type="checkbox"/> Art Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> Technology Ed Electives

Wisconsin Technical College System www.witechcolleges.com	College/University System www.uwhelp.wisconsin.edu
<input type="checkbox"/> Administration Specialist <input type="checkbox"/> Business & Technology <input type="checkbox"/> CIS-Computer Systems <input type="checkbox"/> CIS-Database Administrator <input type="checkbox"/> CIS-Micro. Programmer <input type="checkbox"/> CIS-Microcomputer Applications Software Technician <input type="checkbox"/> CIS-Microcomputer Specialist <input type="checkbox"/> CIS-Microcomputer Technician <input type="checkbox"/> CIS-Network Communication <input type="checkbox"/> CIS-Network Specialist <input type="checkbox"/> CIS-Programmer/Analyst <input type="checkbox"/> CIS-Technical Support Specialist	<input type="checkbox"/> CIS-User Support & Training <input type="checkbox"/> CIS-Web Analyst/Programmer <input type="checkbox"/> CIS-Web Development & Design Specialist <input type="checkbox"/> Computer Hardware Tech <input type="checkbox"/> Computerized Accounting <input type="checkbox"/> Computer-Networking <input type="checkbox"/> E-Business Technology <input type="checkbox"/> E-Commerce/Web Admin <input type="checkbox"/> Geographic Info Systems <input type="checkbox"/> Information Processing Specialist <input type="checkbox"/> Information Security <input type="checkbox"/> Applied Math and Computer Science <input type="checkbox"/> Business Administration <input type="checkbox"/> Computer Engineering <input type="checkbox"/> Computer Information Systems <input type="checkbox"/> Computer Science <input type="checkbox"/> Information Technology Management <input type="checkbox"/> Software Engineering <input type="checkbox"/> Technology Education <input type="checkbox"/> Web and Digital Media Development

CAREER ENHANCEMENT POST-SECONDARY

Work/School Activities <input type="checkbox"/> Art Club <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> Skills USA	Job Shadows/Community Service <input type="checkbox"/> Employability Skills Job Shadow	Youth Apprenticeship <input type="checkbox"/> Information Technology
---	--	--

Career Cluster: Law, Public Safety, Corrections & Security Pathway



HIGH SCHOOL

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 9 <input type="checkbox"/> <i>Language Arts 9</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra A <input type="checkbox"/> Algebra <input type="checkbox"/> Geometry <u>One of the following Science:</u> <input type="checkbox"/> Physical Science <input type="checkbox"/> Honors Biology <u>Social Science:</u> <input type="checkbox"/> US History	Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 10 <input type="checkbox"/> Advanced English 10 <input type="checkbox"/> <i>Language Arts 10</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra B/Geometry A <input type="checkbox"/> Geometry <input type="checkbox"/> Adv Algebra <u>One of the following Science:</u> <input type="checkbox"/> Biology <input type="checkbox"/> Honors Biology <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <u>Social Science:</u> <input type="checkbox"/> World Geography	Required Core Courses **English: 1 credit *Math: *Science: Social Science: <input type="checkbox"/> Civics <input type="checkbox"/> World Civilization or AP European History	Required Core Courses **English: 1 credit *Math: *Science: Social Science: <input type="checkbox"/> Social Problems <input type="checkbox"/> Consumer Economics or AP Micro Economics

Key: Italic courses are typically not considered approved for 4-year college entrance
 * 3 year minimum required for 4-year college/university admission
 ** See counselor for recommendations

POST-SECONDARY

Other Required Courses <input type="checkbox"/> Health <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Employability Skills <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational
Program Related Elective Courses <input type="checkbox"/> Microsoft Office Essentials <input type="checkbox"/> Painting & Drawing I	Program Related Elective Courses <input type="checkbox"/> Adv Microsoft Office <input type="checkbox"/> Leadership Development <input type="checkbox"/> Painting & Drawing II	Program Related Elective Courses <input type="checkbox"/> Chemistry <input type="checkbox"/> Drawing III <input type="checkbox"/> Intro to Philosophy <input type="checkbox"/> Online Applications <input type="checkbox"/> Psychology	Program Related Elective Courses <input type="checkbox"/> AP Chemistry <input type="checkbox"/> AP Psychology <input type="checkbox"/> Contemporary Issues <input type="checkbox"/> Desktop Publishing <input type="checkbox"/> Speech
Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Phy Ed Electives	Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Phy Ed Electives	Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> Phy Ed Electives	Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> Phy Ed Electives
Wisconsin Technical College System www.witechcolleges.com		College/University System www.uwhelp.wisconsin.edu	
<input type="checkbox"/> Advanced Intensive Care Paramedic <input type="checkbox"/> Criminal Justice-Corrections <input type="checkbox"/> Criminal Justice-Law <input type="checkbox"/> Emergency Medical Services <input type="checkbox"/> Environmental Haz-mat Specialist <input type="checkbox"/> Law Enforcement	<input type="checkbox"/> Environmental & Pollution Control Technician <input type="checkbox"/> Facilities Maintenance <input type="checkbox"/> Fire Science <input type="checkbox"/> Paramedic Technician <input type="checkbox"/> Security Loss Prevention	<input type="checkbox"/> Criminal Justice <input type="checkbox"/> Environmental Law Enforcement <input type="checkbox"/> Law <input type="checkbox"/> Legal Studies <input type="checkbox"/> Military Science (ROTC) <input type="checkbox"/> Paralegal <input type="checkbox"/> Public Administration	

CAREER ENHANCEMENT

Work/School Activities <input type="checkbox"/> FBLA <input type="checkbox"/> Student Council	Job Shadows/Community Service <input type="checkbox"/> Employability Skills Job Shadow	Youth Apprenticeship <input type="checkbox"/> None at this time
--	--	---

Career Cluster: Manufacturing Pathway



HIGH SCHOOL

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 9 <input type="checkbox"/> <i>Language Arts 9</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra A <input type="checkbox"/> Algebra <input type="checkbox"/> Geometry <u>One of the following Science:</u> <input type="checkbox"/> Physical Science <input type="checkbox"/> Honors Biology <u>Social Science:</u> <input type="checkbox"/> US History	Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 10 <input type="checkbox"/> Advanced English 10 <input type="checkbox"/> <i>Language Arts 10</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra B/Geometry A <input type="checkbox"/> Geometry <input type="checkbox"/> Adv Algebra <u>One of the following Science:</u> <input type="checkbox"/> Biology <input type="checkbox"/> Honors Biology <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <u>Social Science:</u> <input type="checkbox"/> World Geography	Required Core Courses **English: 1 credit *Math: *Science: <u>Social Science:</u> <input type="checkbox"/> Civics <input type="checkbox"/> World Civilization or AP European History	Required Core Courses **English: 1 credit *Math: *Science: <u>Social Science:</u> <input type="checkbox"/> Social Problems <input type="checkbox"/> Consumer Economics or AP Micro Economics

Key: Italic courses are typically not considered approved for 4-year college entrance
 * 3 year minimum required for 4-year college/university admission
 ** See counselor for recommendations

POST-SECONDARY

Other Required Courses	Other Required Courses	Other Required Courses	Other Required Courses
<input type="checkbox"/> Health <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	<input type="checkbox"/> Employability Skills <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	<input type="checkbox"/> Phy Ed <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	<input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational
Program Related Elective Courses	Program Related Elective Courses	Program Related Elective Courses	Program Related Elective Courses
<input type="checkbox"/> Introduction to Business <input type="checkbox"/> MS Office Essentials <input type="checkbox"/> Technology Applications <input type="checkbox"/> Technology Skills	<input type="checkbox"/> Adv Microsoft Office <input type="checkbox"/> Manufacturing Tooling Technology <input type="checkbox"/> Welding and Fabrication	<input type="checkbox"/> Applied Manufacturing <input type="checkbox"/> Architectural Design I <input type="checkbox"/> Electronic Communications <input type="checkbox"/> Marketing	<input type="checkbox"/> Architectural Design II <input type="checkbox"/> Voc Manufacturing Processes
Other Helpful Elective Courses	Other Helpful Elective Courses	Other Helpful Elective Courses	Other Helpful Elective Courses
<input type="checkbox"/> Agriculture Electives	<input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Technology Ed Electives	<input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> Technology Ed Electives	<input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> Technology Ed Electives

Wisconsin Technical College System	www.witechcolleges.com	College/University System	www.uwhelp.wisconsin.edu
<input type="checkbox"/> Appliance Tech <input type="checkbox"/> Applied Engineering Technology <input type="checkbox"/> Automated Manufacturing Systems Tech <input type="checkbox"/> Bio-Medical Electronics <input type="checkbox"/> Chemical Technician <input type="checkbox"/> Civil Engineering Technology <input type="checkbox"/> CNC Technician <input type="checkbox"/> Electrical Engineering Technology <input type="checkbox"/> Fluid Power Maintenance <input type="checkbox"/> HVAC Tech <input type="checkbox"/> Utility Construction & Service	<input type="checkbox"/> Electricity <input type="checkbox"/> Electro-Mechanical Technology <input type="checkbox"/> Electron Microscopy <input type="checkbox"/> Electronics <input type="checkbox"/> Engine Machining Technician <input type="checkbox"/> Facilities Maintenance <input type="checkbox"/> Industrial Maintenance Tech <input type="checkbox"/> Instrumentation <input type="checkbox"/> Machine Tool <input type="checkbox"/> Mechanical Design <input type="checkbox"/> Quality Assurance Tech <input type="checkbox"/> Small Engines <input type="checkbox"/> Tool and Die <input type="checkbox"/> Welding	<input type="checkbox"/> Biomedical Engineering <input type="checkbox"/> Chemical Engineering <input type="checkbox"/> Civil Engineering <input type="checkbox"/> Electrical Engineering <input type="checkbox"/> Manufacturing <input type="checkbox"/> Mechanical Engineering <input type="checkbox"/> Occupational Safety <input type="checkbox"/> Paper Science <input type="checkbox"/> Software Engineering	

CAREER ENHANCEMENT

Work/School Activities	Job Shadows/Community Service	Youth Apprenticeship
<input type="checkbox"/> J-Tech Club	<input type="checkbox"/> Employability Skills Job Shadow	<input type="checkbox"/> Manufacturing

Career Cluster: Marketing Pathway



HIGH SCHOOL

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 9 <input type="checkbox"/> <i>Language Arts 9</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra A <input type="checkbox"/> Algebra <input type="checkbox"/> Geometry <u>One of the following Science:</u> <input type="checkbox"/> Physical Science <input type="checkbox"/> Honors Biology <u>Social Science:</u> <input type="checkbox"/> US History	Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 10 <input type="checkbox"/> Advanced English 10 <input type="checkbox"/> <i>Language Arts 10</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra B/Geometry A <input type="checkbox"/> Geometry <input type="checkbox"/> Adv Algebra <u>One of the following Science:</u> <input type="checkbox"/> Biology <input type="checkbox"/> Honors Biology <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <u>Social Science:</u> <input type="checkbox"/> World Geography	Required Core Courses **English: 1 credit *Math: *Science: <u>Social Science:</u> <input type="checkbox"/> Civics <input type="checkbox"/> World Civilization or AP European History	Required Core Courses **English: 1 credit *Math: *Science: <u>Social Science:</u> <input type="checkbox"/> Social Problems <input type="checkbox"/> Consumer Economics or AP Micro Economics

Key: Italic courses are typically not considered approved for 4-year college entrance
 * 3 year minimum required for 4-year college/university admission
 ** See counselor for recommendations

POST-SECONDARY

Other Required Courses <input type="checkbox"/> Health <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Employability Skills <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational
Program Related Elective Courses <input type="checkbox"/> Art Exploration <input type="checkbox"/> Introduction to Business <input type="checkbox"/> MS Office Essentials <input type="checkbox"/> Technology Applications <input type="checkbox"/> Technology Skills	Program Related Elective Courses <input type="checkbox"/> Accounting I <input type="checkbox"/> Advanced MS Office <input type="checkbox"/> Desktop Publishing <input type="checkbox"/> Graphic Communication <input type="checkbox"/> Independent Living <input type="checkbox"/> Marketing <input type="checkbox"/> Painting and Drawing I	Program Related Elective Courses <input type="checkbox"/> Accounting II <input type="checkbox"/> Advanced Marketing <input type="checkbox"/> Commercial Art <input type="checkbox"/> Mass Media <input type="checkbox"/> Online Applications <input type="checkbox"/> Pre-Coop <input type="checkbox"/> Psychology	Program Related Elective Courses <input type="checkbox"/> Advanced Art <input type="checkbox"/> AP Psychology <input type="checkbox"/> Business Coop <input type="checkbox"/> Office Aide <input type="checkbox"/> Speech <input type="checkbox"/> You're the Boss
Other Helpful Elective Courses	Other Helpful Elective Courses <input type="checkbox"/> Art Electives <input type="checkbox"/> Technology Ed Electives	Other Helpful Elective Courses <input type="checkbox"/> Art Electives <input type="checkbox"/> English Electives <input type="checkbox"/> Technology Ed Electives	Other Helpful Elective Courses <input type="checkbox"/> Art Electives <input type="checkbox"/> English Electives <input type="checkbox"/> Technology Ed Electives

Wisconsin Technical College System www.witechcolleges.com College/University System www.uwhelp.wisconsin.edu

<input type="checkbox"/> Administrative Assistant <input type="checkbox"/> e-Commerce/Web Administration <input type="checkbox"/> Fashion Marketing <input type="checkbox"/> Global Business Specialist <input type="checkbox"/> Hotel & Restaurant Management <input type="checkbox"/> Hotel/Hospitality Management <input type="checkbox"/> Marketing	<input type="checkbox"/> Marketing & Graphic Communications <input type="checkbox"/> Meeting & Event Management <input type="checkbox"/> Recreation Management <input type="checkbox"/> Retail Management <input type="checkbox"/> Small Business Operation <input type="checkbox"/> Technical Communications <input type="checkbox"/> Travel Services <input type="checkbox"/> Web Developer	<input type="checkbox"/> Business Administration <input type="checkbox"/> Entrepreneurship <input type="checkbox"/> Graphic Communication Management <input type="checkbox"/> Hotel and Restaurant Management <input type="checkbox"/> International Business <input type="checkbox"/> Marketing
---	--	---

CAREER ENHANCEMENT

Work/School Activities <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> National Art High School <input type="checkbox"/> School Store	Job Shadows/Community Service <input type="checkbox"/> Employability Skills Job Shadow	Youth Apprenticeship <input type="checkbox"/> Graphic Arts/Printing <input type="checkbox"/> Hospitality, Lodging, Tourism
---	--	---

Career Cluster: Science, Technology, Engineering & Mathematics Pathway



HIGH SCHOOL	9th Grade				10th Grade				11th Grade				12th Grade			
	Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 9 <input type="checkbox"/> <i>Language Arts 9</i>				Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 10 <input type="checkbox"/> Advanced English 10 <input type="checkbox"/> <i>Language Arts 10</i>				Required Core Courses **English: 1 credit *Math: *Science:				Required Core Courses **English: 1 credit *Math: *Science:			
	<u>One of the following Math:</u> <input type="checkbox"/> Algebra A <input type="checkbox"/> Algebra <input type="checkbox"/> Geometry				<u>One of the following Math:</u> <input type="checkbox"/> Algebra B/Geometry A <input type="checkbox"/> Geometry <input type="checkbox"/> Adv Algebra				Social Science: <input type="checkbox"/> Civics <input type="checkbox"/> World Civilization or AP European History				Social Science: <input type="checkbox"/> Social Problems <input type="checkbox"/> Consumer Economics or AP Micro Economics			
	<u>One of the following Science:</u> <input type="checkbox"/> Physical Science <input type="checkbox"/> Honors Biology				<u>One of the following Science:</u> <input type="checkbox"/> Biology <input type="checkbox"/> Honors Biology <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics											
	Social Science: <input type="checkbox"/> US History				Social Science: <input type="checkbox"/> World Geography											
	Key: Italic courses are typically not considered approved for 4-year college entrance * 3 year minimum required for 4-year college/university admission ** See counselor for recommendations															
	Other Required Courses <input type="checkbox"/> Health <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational				Other Required Courses <input type="checkbox"/> Employability Skills <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational				Other Required Courses <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational				Other Required Courses <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational			
	Program Related Elective Courses <input type="checkbox"/> Agriculture Survey <input type="checkbox"/> Technology Applications <input type="checkbox"/> Technology Skills				Program Related Elective Courses <input type="checkbox"/> Computer Hardware Basics <input type="checkbox"/> Computer Repair <input type="checkbox"/> Graphic Communication				Program Related Elective Courses <input type="checkbox"/> Anatomy & Physiology <input type="checkbox"/> Architectural Design I <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <input type="checkbox"/> Pre-calculus				Program Related Elective Courses <input type="checkbox"/> Architectural Design II <input type="checkbox"/> Calculus <input type="checkbox"/> Marketing <input type="checkbox"/> Online Applications <input type="checkbox"/> Statistics			
	Other Helpful Elective Courses				Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> Technology Ed Electives				Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> Science Electives <input type="checkbox"/> Technology Ed Electives				Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> Science Electives <input type="checkbox"/> Technology Ed Electives			
	Wisconsin Technical College System www.witechcolleges.com								College/University System www.uwhelp.wisconsin.edu							
<input type="checkbox"/> Applied Engineering Technology <input type="checkbox"/> Bio-Medical Electronics <input type="checkbox"/> Chemical Technician <input type="checkbox"/> Civil Engineering Technology <input type="checkbox"/> Electron Microscopy <input type="checkbox"/> Electronic Engineering Tech <input type="checkbox"/> Industrial Engineering Tech <input type="checkbox"/> Power Engineering & Boiler Operator				<input type="checkbox"/> Agri-Business/Science Tech <input type="checkbox"/> Biotechnology Laboratory Technician <input type="checkbox"/> Environmental & Pollution Control Tech <input type="checkbox"/> Health Physics Technician <input type="checkbox"/> Laboratory Animal Technician <input type="checkbox"/> Veterinary Technician				<input type="checkbox"/> Astronomy <input type="checkbox"/> Biochemistry <input type="checkbox"/> Chemical Engineering <input type="checkbox"/> Civil Engineering <input type="checkbox"/> Hydrogeology and Water Chemistry <input type="checkbox"/> Math-Engineering								
Work/School Activities				Job Shadows/Community Service				Youth Apprenticeship								
<input type="checkbox"/> J-Tech Club				<input type="checkbox"/> Employability Skills Job Shadow				<input type="checkbox"/> Agriculture <input type="checkbox"/> Biotechnology <input type="checkbox"/> Drafting/Design-Architecture <input type="checkbox"/> Drafting/Design-Engineering <input type="checkbox"/> Drafting/Design-Mechanical Design <input type="checkbox"/> Manufacturing								

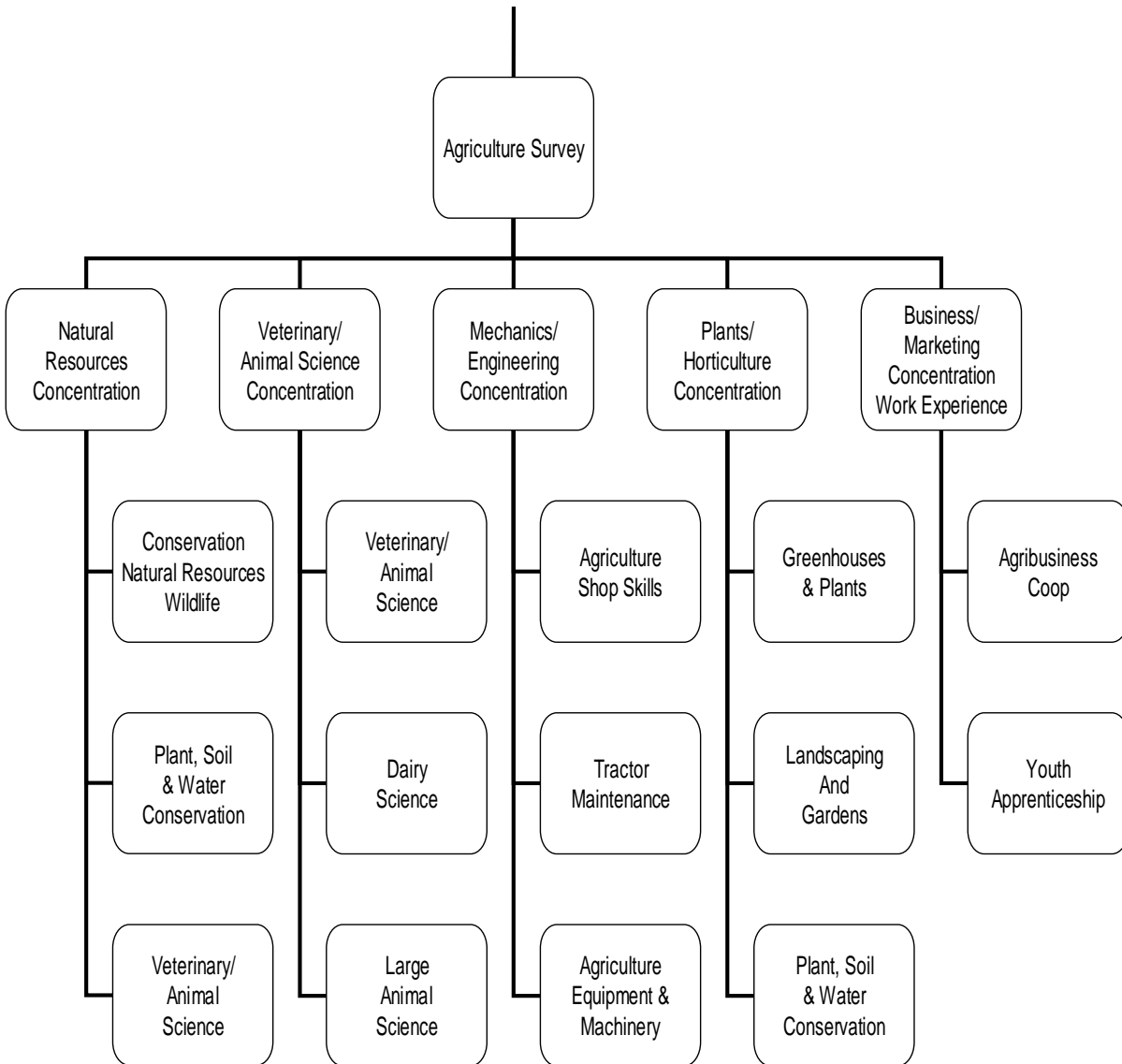
POST-SECONDARY
CAREER ENHANCEMENT

Career Cluster: Transportation, Distribution & Logistics Pathway



HIGH SCHOOL	9th Grade	10th Grade	11th Grade	12th Grade	
	Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 9 <input type="checkbox"/> <i>Language Arts 9</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra A <input type="checkbox"/> Algebra <input type="checkbox"/> Geometry <u>One of the following Science:</u> <input type="checkbox"/> Physical Science <input type="checkbox"/> Honors Biology <u>Social Science:</u> <input type="checkbox"/> US History	Required Core Courses <u>One of the following English:</u> <input type="checkbox"/> English 10 <input type="checkbox"/> Advanced English 10 <input type="checkbox"/> <i>Language Arts 10</i> <u>One of the following Math:</u> <input type="checkbox"/> Algebra B/Geometry A <input type="checkbox"/> Geometry <input type="checkbox"/> Adv Algebra <u>One of the following Science:</u> <input type="checkbox"/> Biology <input type="checkbox"/> Honors Biology <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <u>Social Science:</u> <input type="checkbox"/> World Geography	Required Core Courses **English: 1 credit *Math: *Science: Social Science: <input type="checkbox"/> Civics <input type="checkbox"/> World Civilization or AP European History	Required Core Courses **English: 1 credit *Math: *Science: Social Science: <input type="checkbox"/> Social Problems <input type="checkbox"/> Consumer Economics or AP Micro Economics	
	Key: <i>Italic courses are typically not considered approved for 4-year college entrance</i> * 3 year minimum required for 4-year college/university admission ** See counselor for recommendations				
	Other Required Courses <input type="checkbox"/> Health <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Employability Skills <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Foreign Language <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> Phy Ed <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	Other Required Courses <input type="checkbox"/> **Humanities <input type="checkbox"/> **Vocational	
	Program Related Elective Courses <input type="checkbox"/> Agriculture Survey <input type="checkbox"/> Introduction to Business <input type="checkbox"/> Microsoft Office Essentials <input type="checkbox"/> Small Engines <input type="checkbox"/> Technology Applications <input type="checkbox"/> Technology Skills	Program Related Elective Courses <input type="checkbox"/> Adv Microsoft Office <input type="checkbox"/> Automotive Technology <input type="checkbox"/> Marketing	Program Related Elective Courses <input type="checkbox"/> Brakes, Steering and Suspension <input type="checkbox"/> Engine Performance and Electronics	Program Related Elective Courses <input type="checkbox"/> Advanced Automotive Tech	
	Other Helpful Elective Courses	Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> FACE Electives <input type="checkbox"/> Technology Ed Electives	Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> FACE Electives <input type="checkbox"/> Science Electives <input type="checkbox"/> Technology Ed Electives	Other Helpful Elective Courses <input type="checkbox"/> Agriculture Electives <input type="checkbox"/> Business Electives <input type="checkbox"/> FACE Electives <input type="checkbox"/> Science Electives <input type="checkbox"/> Technology Ed Electives	
POST-SECONDARY	Wisconsin Technical College System www.witechcolleges.com		College/University System www.uwhelp.wisconsin.edu		
	<input type="checkbox"/> Aeronautics / Pilot Training <input type="checkbox"/> Aircraft Electronics <input type="checkbox"/> Auto Collision Repair & Refinishing <input type="checkbox"/> Automotive Technician <input type="checkbox"/> Civil Engineering Technology/Highway Tech <input type="checkbox"/> Diesel & Heavy Equipment Technician <input type="checkbox"/> Diesel & Power Training Services	<input type="checkbox"/> Engine Machining Tech <input type="checkbox"/> Engine Technology <input type="checkbox"/> Land Survey Technician <input type="checkbox"/> Logistics <input type="checkbox"/> Marine Repair Technician <input type="checkbox"/> Materials Planning & Control Tech <input type="checkbox"/> Motorcycle, Marine, & Outdoor Power Products <input type="checkbox"/> Quality Management <input type="checkbox"/> Truck Driving	<input type="checkbox"/> Civil Engineering <input type="checkbox"/> Electrical Engineering <input type="checkbox"/> Environmental Science <input type="checkbox"/> Environmental Science and Protection <input type="checkbox"/> Geology <input type="checkbox"/> Health and Safety Management <input type="checkbox"/> Industrial Health and Safety Engineering <input type="checkbox"/> International Logistics	<input type="checkbox"/> Logistician <input type="checkbox"/> Logistics Analyst <input type="checkbox"/> Logistics Engineering <input type="checkbox"/> Logistics Management <input type="checkbox"/> Safety Analyst <input type="checkbox"/> Transportation Management	
CAREER ENHANCEMENT	Work/School Activities <input type="checkbox"/> Skills USA	Job Shadows/Community Service <input type="checkbox"/> Employability Skills Job Shadow	Youth Apprenticeship <input type="checkbox"/> Automotive Technician		

AGRICULTURE



VETERINARY/ANIMAL SCIENCE

½ Credit First Semester Only Grades 10-12

PREREQUISITE: Must have successfully completed a prior agriculture course or instructor approval.

COURSE DESCRIPTION: The Veterinary/Animal Science course is designed to introduce the student to the functions and major components of major body systems in animals. The course will also deal with basic external anatomy, muscular system, digestive system, basic nutrient groups and functions of each group, ration balancing for minerals, protein, and providing required nutrients. Animal care and behavior will be studied and practiced in the lab with various types of animals.

AGRICULTURE EQUIPMENT AND MACHINERY

½ Credit Second Semester Only Grades 10-12

PREREQUISITE: Beginning vocational shop course or instructor approval.

COURSE DESCRIPTION: The Agriculture Equipment course will place major emphasis in the following topics: operation, maintenance, adjustment and application of tillage implements, planters, fertilizing equipment, forage machinery, sprayers, harvesting equipment, materials handling equipment, drying equipment and crop storage structures. Shop activities play a large part of this course.

AGRICULTURE SHOP SKILLS

½ Credit Semester Grades 10-12

PREREQUISITE: Other agriculture courses or vocational shop courses or instructor approval.

COURSE DESCRIPTION: This shop course will teach students the basic skills and knowledge needed to meet the routine needs of farm mechanics. Course includes units on plumbing, electricity, metals, concrete, woods and building construction.

TRACTOR MAINTENANCE

½ Credit First Semester Only Grades 10-12

PREREQUISITE: Beginning vocational shop courses or instructor approval

COURSE DESCRIPTION: The tractor maintenance course is designed for all students interested in the maintenance and reconditioning of tractors and power equipment. It will utilize basic mechanic's tools and equipment, manuals, laboratory and student owned tractors in its activities. Students will be in hands-on activities for over 50% of class time.

GREENHOUSES AND PLANTS

½ Credit First Semester Only Grades 10-12

PREREQUISITE: Must have successfully completed a prior agriculture course or instructor approval.

COURSE DESCRIPTION: The students will gain experiences, skills and knowledge of plants and greenhouses. The growing, care, and use of plants such as flower arranging and Bonsai along with other activities relating to plants will be explored. Students will be involved with hands-on projects involving greenhouse activities.

LANDSCAPING AND GARDENS

½ Credit Second Semester Only Grades 10-12

PREREQUISITE: Must have successfully completed a prior agriculture course or instructor approval.

COURSE DESCRIPTION: Students will learn skills and knowledge needed in the field of landscaping, including orchards, fruits and vegetables. How to landscape will be explored by using drawings, computers and other tools. Use of the greenhouse will be a part of the course, involving the growing of flowers and vegetables. Hands-on, outdoor activities will occur frequently.

CONSERVATION, NATURAL RESOURCES AND WILDLIFE

½ Credit First Semester Only Grades 10-12

PREREQUISITE: None

COURSE DESCRIPTION: This environmental conservation course deals with major elements of our environment. The topics included are conservation philosophy, wildlife management, water quality, forestry, soil conservation, and energy conservation. Information on available careers will also be explored. Extensive fieldwork will take place at the school's environment center.

PLANT, SOIL, AND WATER CONSERVATION

½ Credit First Semester Only Grades 10-12

PREREQUISITE: Must have successfully completed a prior agriculture course or instructor approval.

COURSE DESCRIPTION: This course deals with plants, soil and water conservation and land use. The student will understand the relationship that exists between plants, the land, and water. Proper management to use our soil and water wisely will be emphasized. Students should be prepared for frequent field activities.

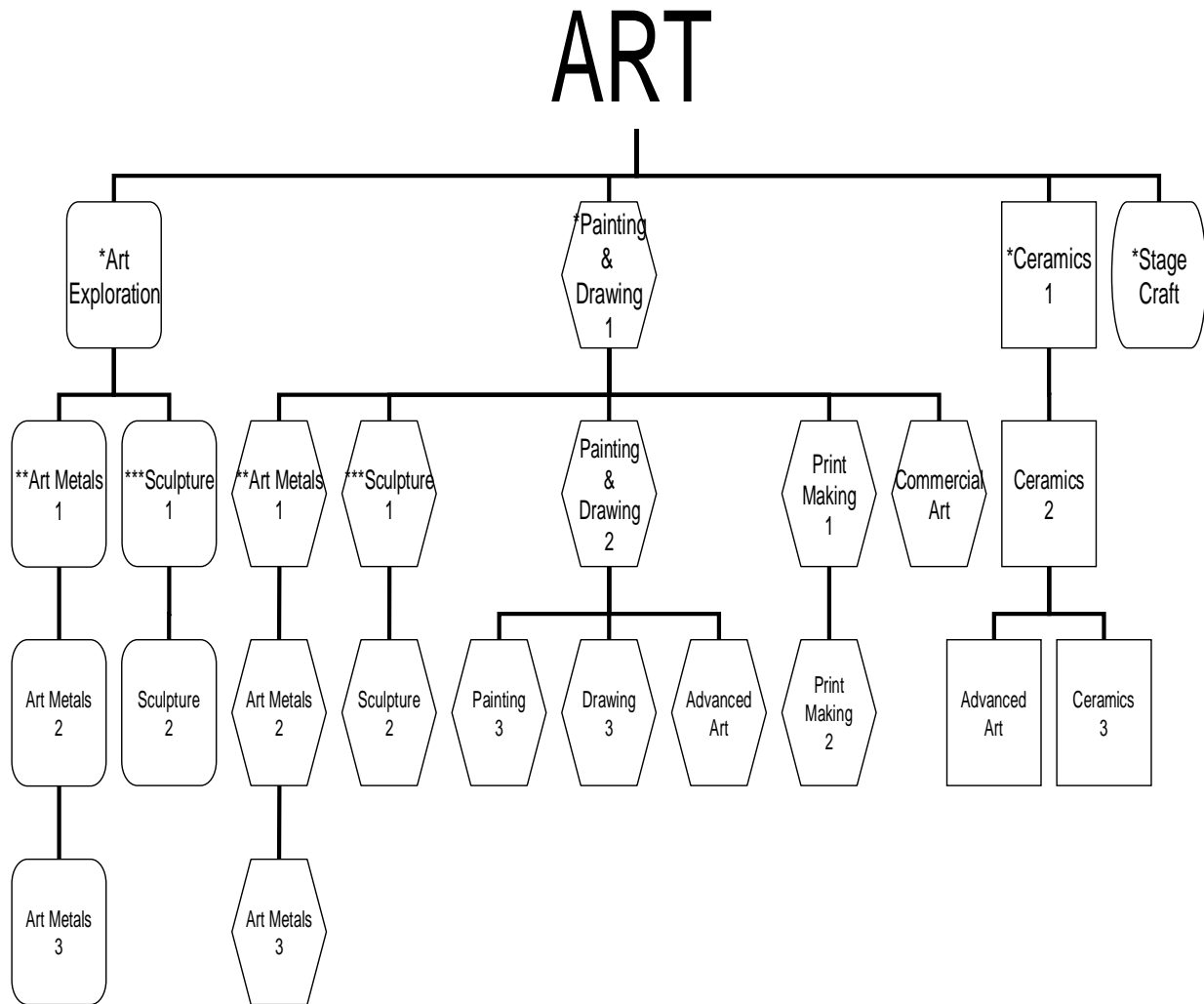
AGRIBUSINESS COOP

2 Credit Year Long Grade 12

PREREQUISITE: At least two years of agriculture courses or instructor approval.

COURSE DESCRIPTION: The Vocational Agribusiness class has two phases -- one in school and the other out of school (work experience). During the in-class phase the students will spend time learning about work practices, employee-employer relations, Agribusiness management practices, credit and money, local government, insurance, commodity and retail marketing and promotion. Classroom activities are combined with supervised on-the-job training to help the student make the connections of practical applications.

Art Curriculum Flow Chart



*Entry Level – Open to 9-12

**Pre-requisite for Art Metals 1 – Art Exploration, Painting & Drawing I, or Junior/Senior.

***Pre-requisite for Sculpture 1 – Art Exploration, Painting & Drawing I, or Junior/Senior.

ART

Course Title	Open To	Credit
Advanced Art	10-12	.50
Art Exploration	9-10	.50
Art Metals I	10-12	.50
Art Metals II	10-12	.50
Art Metals III	10-12	.50
Ceramics I	9-12	.50
Ceramics II	10-12	.50
Ceramics III	10-12	.50
Commercial Art	10-12	.50
Drawing III	10-12	.50
Painting and Drawing I	9-12	.50
Painting and Drawing II	10-12	.50
Painting III	10-12	.50
Printmaking I	9-12	.50
Printmaking II	10-12	.50
Sculpture I	9-12	.50
Sculpture II	10-12	.50
Stagecraft	9-12	.50

Please see the course sequence flow chart on page 5.

Courses offered in 2013-2014 and 2015-2016:

Art Metals III
Painting III

Courses offered in 2012-2013 and 2014-2015:

Ceramics III
Drawing III

Any of these courses will meet the humanities course requirement.

Fee: There is a \$10.00 maximum registration fee for all students enrolled in any art class. This \$10.00 is used for art consumables.

ADVANCED ART

½ Credit Semester Grades 10-12

PREREQUISITE: C or better in two semesters in the same medium, approval of instructor.

COURSE DESCRIPTION: This course is open to all students who have successfully completed two semesters in the same medium such as, drawing and painting, ceramics, and sculpture. An independent study approach will be used to pursue the activities.

ART EXPLORATION

½ Credit Semester Grades 9-10

PREREQUISITE: None

COURSE DESCRIPTION: This course will give students an opportunity to explore a variety of ways of making art. It will include hands on activities in drawing, painting, sculpture, ceramics and jewelry. This course is intended for freshmen and sophomores only.

ART METALS I

½ Credit Semester Grades 10-12

PREREQUISITE: Art Exploration, Painting & Drawing I, or junior/senior standing

COURSE DESCRIPTION: Students will be introduced to basic jewelry making and metal smithing techniques which will be used to create functional designs such as rings, bracelets, key chains and other body adornments.

ART METALS II

½ Credit Semester Grades 10-12

PREREQUISITE: Art Metals I

COURSE DESCRIPTION: This course is open to all students who have successfully completed Art Metals I. Students will learn advanced techniques used in making jewelry, containers and setting stones.

ART METALS III

½ Credit

Semester

Grades 10-12

PREREQUISITE: Art Metals II

COURSE DESCRIPTION: This course is open to students who have successfully completed Art Metal I and Art Metal II. Students will expand their knowledge of metal smithing techniques and will create complex pieces by combining techniques. Stone setting and lost wax casting will be emphasized.

CERAMICS I

½ Credit

Semester

Grades 9-12

PREREQUISITE: None

COURSE DESCRIPTION: You will be able to investigate pottery making, both functional and non-functional, using the coil, slab, and wheel thrown methods.

CERAMICS II

½ Credit

Semester

Grades 10-12

PREREQUISITE: Ceramics I

COURSE DESCRIPTION: You will have the opportunity to choose either hand building or wheel throwing techniques for the entire semester. This will give you a chance to investigate either/or both techniques in depth.

CERAMICS III

½ Credit

Semester

Grades 10-12

PREREQUISITE: Ceramics II

COURSE DESCRIPTION: In Ceramics III students will develop complex forms on the wheel. Mold making will be explored. Development of complex glaze application and surface design will be taught.

COMMERCIAL ART

½ Credit

Semester

Grades 10-12

PREREQUISITE: Painting & Drawing I

COURSE DESCRIPTION: Each student will become familiar with the tools and techniques used in the commercial field as well as investigations into the role art plays in the advertising field.

DRAWING III

½ Credit

Semester

Grades 10-12

PREREQUISITE: Painting & Drawing II

COURSE DESCRIPTION: In Drawing III students will continue to develop their drawing skills focusing on formal and imitational drawing, composition, proportion, surrealist and mixed media.

PAINTING & DRAWING I

½ Credit

Semester

Grades 9-12

PREREQUISITE: None

COURSE DESCRIPTION: This course will include investigations in both drawing and painting. It will include a variety of painting techniques in watercolor, and acrylics. Drawing techniques will include charcoal, pencil and pastels.

PAINTING & DRAWING II

½ Credit

Semester

Grades 10-12

PREREQUISITE: Painting & Drawing I

COURSE DESCRIPTION: This course is open to all students who have successfully completed Painting & Drawing I. It will include in depth investigations in drawing and painting.

PAINTING III

½ Credit

Semester

Grades 10-12

PREREQUISITE: Painting & Drawing II

COURSE DESCRIPTION: During this course students will devote an entire semester to developing their painting skills. Students will study various styles of painting and create their own paintings that reflect those styles. Various mediums will be explored and students will have the opportunity to paint with oils.

PRINTMAKING I

½ Credit

Semester

Grades 9-12

PREREQUISITE: Art Exploration or Painting & Drawing I

COURSE DESCRIPTION: This course will investigate a variety of printing techniques that will include block printing, etching and engraving and silk screen printing. Reproducing one idea in many ways will be the focus of the activities.

PRINTMAKING II

½ Credit

Semester

Grades 10-12

PREREQUISITE: Printmaking I

COURSE DESCRIPTION: This course is open to all students who have successfully completed Printmaking I. It will further investigate activities in block printing, etching and engraving and silk screen-printing.

SCULPTURE I

½ Credit

Semester

Grades 9-12

PREREQUISITE: Art Exploration, Painting & Drawing I, or junior/senior standing

COURSE DESCRIPTION: Using a variety of materials such as clay, plaster, wood, and metal, each student will explore the possibilities of three dimensional forms in space.

SCULPTURE II

½ Credit

Semester

Grades 10-12

PREREQUISITE: Sculpture I

COURSE DESCRIPTION: This course is open to all students who have successfully completed Sculpture I. Further investigations into organizing space with a variety of materials will be pursued.

STAGECRAFT

½ Credit

Semester

Grades 9-12

PREREQUISITE: None

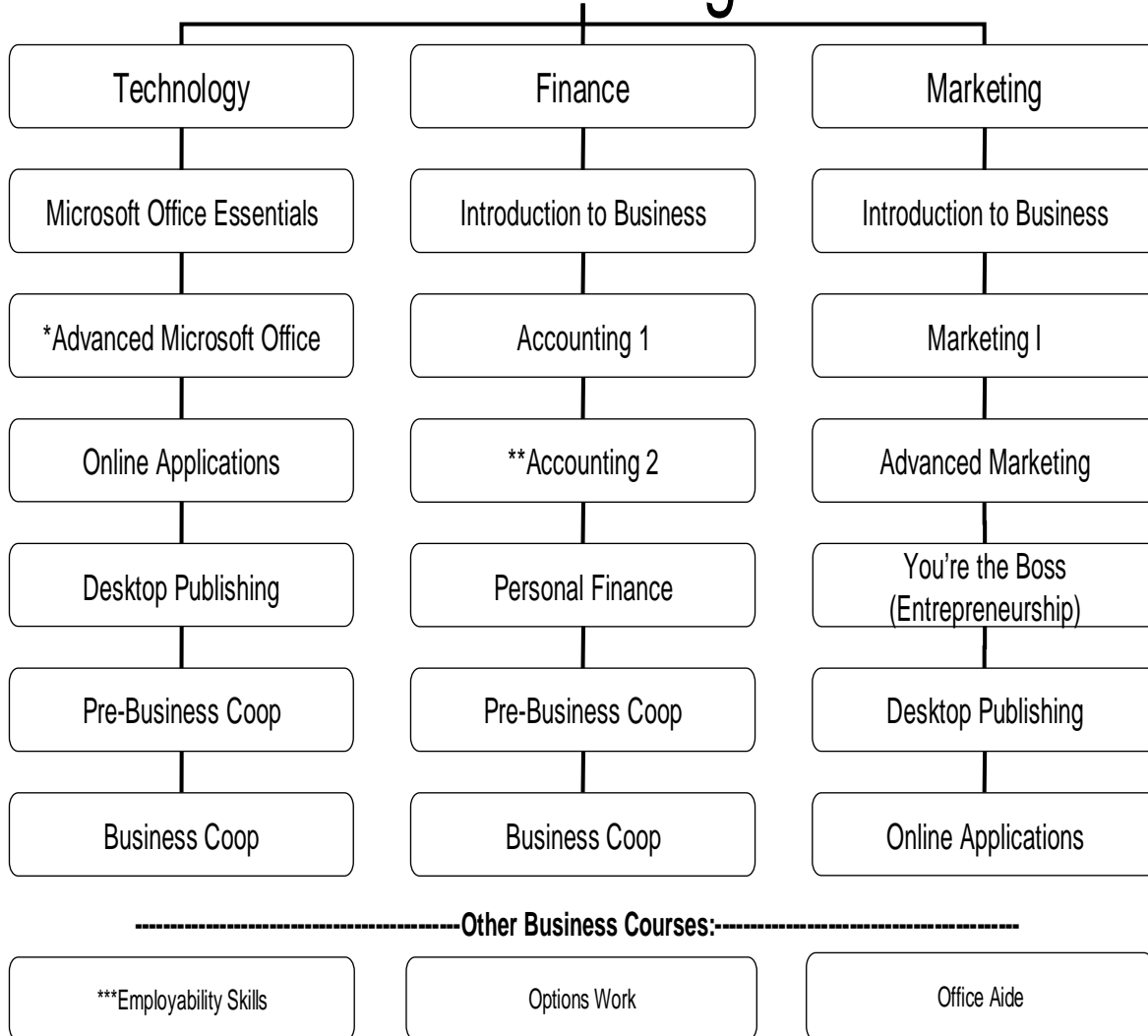
COURSE DESCRIPTION: Students in this integrated class will learn the fundamentals of scenery construction and costume design. Construction will involve the creation of typical stock scenery items throughout the school year such as flats, platforms, and door units for general use in productions. Students will study the elements of painting sets and props.

Character in Action - As You Register

RESPECT – the process; make sure you have taken the proper prerequisites; discuss your choices with family so you have their support.

Business Education Curriculum Flow Chart

Business & Marketing Education



Students can take most courses in any order with the exception of the courses noted by asterisks and coop. Students can also take courses from any of the three areas of study (technology, finance, and marketing.)

*Microsoft Office Essentials should be taken prior to Advanced Microsoft Office. However, students can attempt to test out of this course by earning an 85% or better on both a written and a hands-on assessment.

** Accounting 1 is a prerequisite for Accounting 2.

***Graduation requirement

INTRODUCTION TO BUSINESS

½ Credit

Semester

Grades 9-12

PREREQUISITE: None

COURSE DESCRIPTION: Introduction to Business is a one-semester course that provides students with various opportunities to become involved with business activities. This course is designed to give students a broad range of business topics from which to help them in making future career decisions. Students will study what role the economy has in relation to business, owning and operating a business, types of business ownership, marketing to the consumer, advertising, human resources management, managing financial and technological resources, buying goods and services, what credit is, money management, checking and savings accounts. Students will also be involved in a ten-week stock market simulation in which they will learn procedures for buying and selling stocks.

ACCOUNTING I

1 Credit

Year Long

Grades 10-12

PREREQUISITE: None

COURSE DESCRIPTION: Accounting I is a one-year course intended for students who want a strong foundation in basic accounting theory and procedures. The program of study incorporates the traditional methods of teaching accounting with current applications of computer technology. This combination ensures mastery of basic accounting concepts while gaining computer literacy. Basic concepts are covered for the three major types of business organization in a private enterprise economy. Successful completion of this course, along with Accounting II, with a grade of B or higher will qualify the student for Advanced Standing with Madison Area Technical College.

ACCOUNTING II

1 Credit

Year Long

Grades 11-12

PREREQUISITE: C or better in Accounting I or instructor approval

COURSE DESCRIPTION: Accounting II is a one-year course intended for students wishing to complete a two year accounting program. The areas of study include manual and automated departmentalized accounting, general accounting adjustments, corporation accounting, management accounting, cost accounting, spreadsheet applications within the accounting system, and career exploration. Successful completion of this course, along with Accounting I, with a grade of B or higher will qualify the student for Advanced Standing with Madison Area Technical College.

PERSONAL FINANCE

½ Credit

Semester

Grades 11-12

PREREQUISITE: None

COURSE DESCRIPTION: Personal Finance is a one-semester course intended for students who wish to learn more about making the most of their earned income. The program of student includes personal financial planning, financial impact of career planning, tax planning, money management strategies, banking, credit cards, housing, retirement planning and the fundamentals of investing.

MARKETING I

½ Credit

Semester

Grade 10-12

PREREQUISITE: None

COURSE DESCRIPTION: Did you ever wonder who comes up with those million dollar Super Bowl commercials and what makes them so popular? Are you curious about why there are so many different brands of the same item when they all do the same thing? Are you interested in learning what happens “behind the scenes” to make a company successful? Marketing I will introduce students to the four basic functions of marketing: developing products or services, pricing those products so you can compete with other companies, the various methods of getting products to customers, and promoting a business through advertising, personal selling, incentives, and other forms of communication. Marketing I is a core course for many college majors—get ahead of the game and enroll in Marketing I now!

ADVANCED MARKETING

½ Credit

Semester

Grade 11-12

PREREQUISITE: C or better in Marketing I or instructor approval

COURSE DESCRIPTION: Advanced Marketing will take a deeper look into the world of marketing. The functions of marketing will be applied to various industries, such as sports, entertainment, and hospitality. In addition, students will be expected to participate in the operation of our school-based enterprise (school store) to gain first-hand experiences of the marketing functions.

YOU'RE THE BOSS (ENTREPRENEURSHIP)

½ Credit

Semester

Grades 11-12

Please note: Marketing I is strongly encouraged as a prerequisite

COURSE DESCRIPTION: You're the Boss is a one-semester class intended for juniors and seniors interested in small business ownership. The areas of study include identification of entrepreneurial characteristics, types of business ownership, marketing issues, development of a business plan, management of employees, employment law, and law of contracts. This course is meant to enhance the interests of students in all areas of potential business ownership. Special emphasis is placed on providing “reality-based” opportunities for the students through community interaction and involvement.

PRE-BUSINESS COOP

½ Credit Semester Grades 11-12

PREREQUISITE: None

COURSE DESCRIPTION: Pre-Business COOP is a one-semester course that is required of all students who want to enroll in the Business COOP/YA program. It is also for students who want to develop basic vocational skills and attitudes. Emphasis is placed on manually and electronically identifying, storing, and retrieving information correctly using alphabetic, subject, numeric, and geographic filing, 10 key pad and operating electronic calculators, electronic mail shipping and mailing services; telephone techniques; telecommunications; human relations and personal development; preparing a job campaign; along with some basic computing.

BUSINESS COOP/YOUTH APPRENTICESHIP (YA)

2 Credits Year Long Grade 12

PREREQUISITE: See procedures for entry to Business Coop on page 10.

COURSE DESCRIPTION: Business COOP/YA consist of two phases -- One class hour of in-school instruction called Business COOP and 480 hours of supervised training in community business. Additional experience may include community partnership project that provides additional learning experience for students. Business COOP/YA is an educational program developed between the school, employers in the community, and the student's parents whereby students alternate in-school instruction with employment in area business concurrent with the student's career objective. After completion of the Business COOP/YA work program, students will have achieved a level-one standing in Information Technology Youth Apprenticeships.

Employment is offered at various times throughout the school day during the school year and coordination will take place to facilitate the best possible student class schedule

EMPLOYABILITY SKILLS

½ Credit Semester Grade 10

PREREQUISITE: None

COURSE DESCRIPTION: Employability Skills is a one-semester class required for graduation. Students will be provided the opportunity to develop skills needed to seek, obtain, and maintain employment. They will examine the traits, education, training, attitudes and conditions necessary to be successful upon entry into the workforce. Students will use interest inventories, Internet-based career exploration sites and other resources available in the Counseling Career Center. Career clusters, career maps, career and employment portfolios, four-year scheduling plans, job shadows and mentoring opportunities will also be made available to students. Each student will have and continue to develop a performance-based portfolio that will focus on the skills needed for career cluster areas they have chosen.

OFFICE AIDE

½ Credit Semester Grades 11-12

PREREQUISITE: Instructor approval

COURSE DESCRIPTION: As an office aide, students will be working in designated office areas throughout the High school. Students will be involved in general office tasks. Students will need to go through the same procedures as Options, in which students will be supervised by the office staff, and through a designated teacher. Students will be required to complete work reports independently on a weekly basis.

OPTIONS WORK

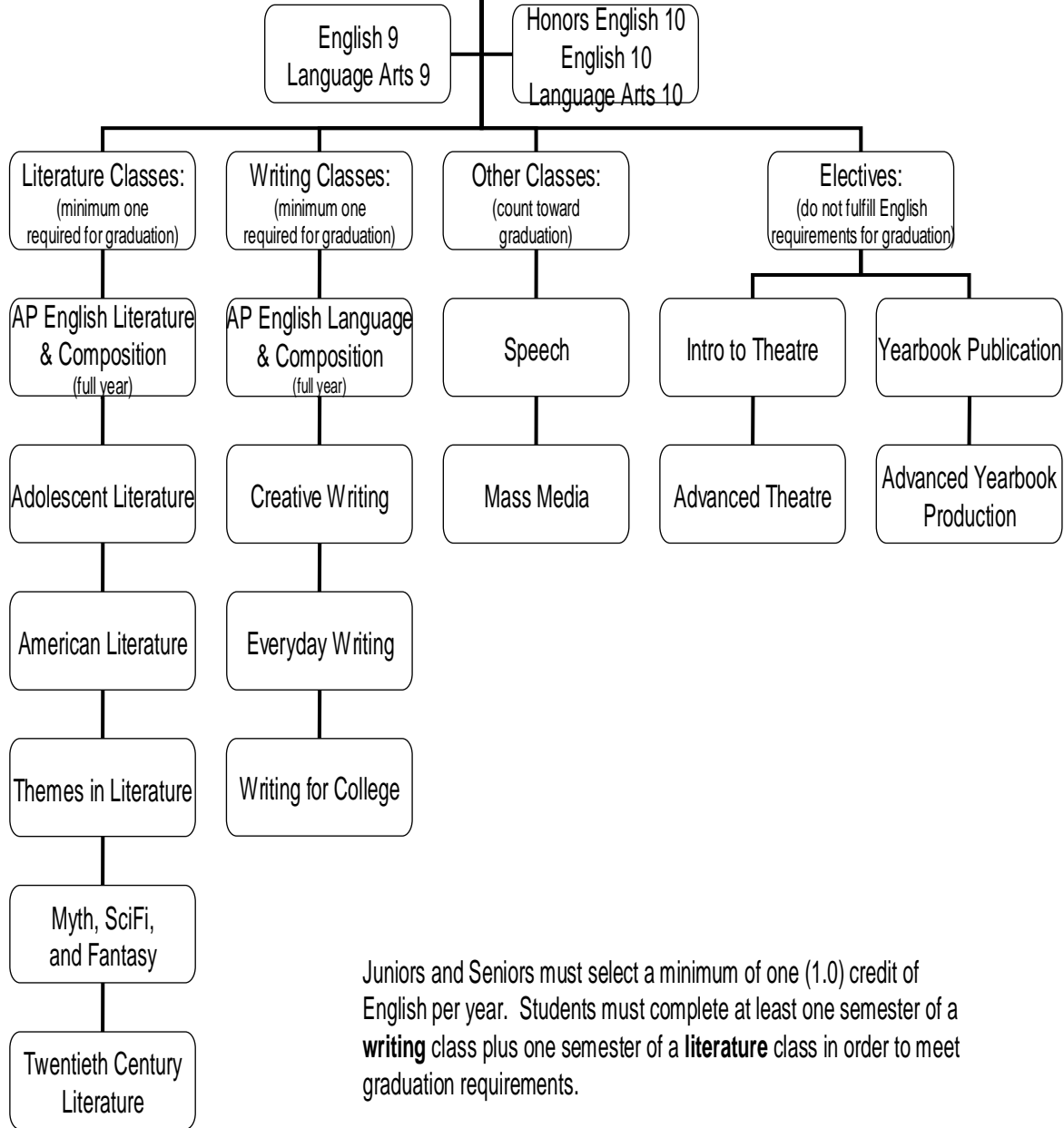
½ Credit Semester Grades 11-12

PREREQUISITE: Instructor approval

COURSE DESCRIPTION: Options work is a supervised work experience, where students go out and find a job related to their career interest. The work experience is supervised through teacher visits and completion of related work reports, completed independently by the student learner. Students are required to work the same amount of hours per week in relation to the amount of hours given for release time during the school day. This experience should allow the student the opportunity in which to learn all aspects of the firm in relation to their career interest.

English Curriculum Flow Chart

English



ENGLISH

Course Title	Open To	Credit
Adolescent Literature	11-12	.50
Advanced Placement (AP) English Language & Composition	11-12	1.00
Advanced Placement (AP) English Literature & Composition	12	1.00
Advanced Theatre	10-12	.50
Advanced Yearbook Production	10-12	1.00
American Literature	11-12	.50
Creative Writing	11-12	.50
English 10	10	1.00
English 9	9	1.00
Everyday Writing	11-12	.50
Honors English 10	10	1.00
Introduction to Theatre	9-12	.50
Language Arts 10	10	1.00
Language Arts 9	9	1.00
Literature and Composition	9-12	1.00
Mass Media	11-12	.50
Mythology, Science Fiction, and Fantasy	11-12	.50
Speech	11-12	.50
Themes in Literature	11-12	.50
Twentieth Century Literature	11-12	.50
Writing for College	11-12	.50
Yearbook Publication	10-12	.50

Please see the course sequence flow chart on page 13.

Courses offered in 2013-2014 and 2015-2016:
American Literature
Mass Media

Courses offered in 2012-2013 and 2014-2015:
Adolescent Literature
Advanced Theatre
Everyday Writing
Twentieth Century Literature

Noted with an ():** This course fulfills Jefferson High School’s requirement for English credit toward graduation. However, some four-year colleges may not accept this course to meet their requirements. Please see your counselor for more information.

The following courses are required for graduation:

	ENGLISH 9	
1 Credit	Year Long	Grade 9
REREQUISITE: None		

COURSE DESCRIPTION: English 9 is a survey course that enhances skills and knowledge in reading, writing, standard English usage, analysis of language (written and spoken), media understanding, and research. The course includes a study skills unit, research units, and various speaking and listening activities. English 9 students also focus on writing skills (using Six Traits of Effective Writing). Literature units include The Adventures of Huckleberry Finn by Mark Twain, To Kill a Mockingbird by Harper Lee, various short stories, nonfiction, and independently chosen novels. English 9 will include a historical connection to topics students will cover in their U.S. History course, also taken during ninth grade.

	LANGUAGE ARTS 9	
1 Credit	Year Long	Grade 9
PREREQUISITE: Teachers place students in Language Arts 9 based on an SRI score of 900 or below, a WKCE reading score in the Minimal or Basic range, an Explore reading score of 14 or below, and an Explore English score of 12 or below.		

COURSE DESCRIPTION: Language Arts 9 is a survey course that focuses on Reading/Literature, Writing, Oral Language, Language, Media and Technology, and Research and Inquiry. Writing activities will use the Six Traits of Effective Writing. Literature units include The Adventures of Huckleberry Finn by Mark Twain, To Kill a Mockingbird by Harper Lee, various short stories, nonfiction, and independently chosen novels. Language Arts 9 will make historical connections to topics in U.S. History, a course also taken in 9th grade.

ENGLISH 10

1 Credit

Year Long

Grade 10

PREREQUISITE: None

COURSE DESCRIPTION: English 10 is a survey course designed to expose the students to a wide variety of subject matter within the area of Language Arts. Major emphasis will be placed on drama, poetry, writing, and speech. Because students of various abilities comprise the English 10 classes, activities, materials, and methods of evaluation are designed to challenge each student at his or her individual level.

HONORS ENGLISH 10

1 Credit

Year Long

Grade 10

PREREQUISITE: Teachers place students in Honors English 10 based on an SRI score of 1200 or higher, a WKCE Reading or Language Arts score in the Proficient or Advanced range, and a first semester grade in English 9 of a B or better, or by instructor approval.

COURSE DESCRIPTION: This class is an intensive year-long course combining literature, speaking, writing, and grammar for students who are highly motivated in this discipline. It includes content from the required English 10 course but is expanded by supplementary novels and plays studied at a faster pace and in greater depth. Therefore, there will be a significant expectation for reading independently. Since composition is a major component of each unit, students will need above average or advanced skills in reading and writing. Because emphasis will be placed on producing assessments that reflect higher level critical thinking skills, students are asked to commit to developing their skills and to possess a willingness to work through challenging material.

LANGUAGE ARTS 10

1 Credit

Year Long

Grade 10

PREREQUISITE: Teachers place students in Language Arts 10 based on an SRI score below 1000, a WKCE Reading score in the Minimal or Basic range, first semester grades in 9th grade English, or by instructor approval.

COURSE DESCRIPTION: Language Arts 10 is a survey course designed to expose the students to a wide variety of subject matter within the area of Language Arts. Major emphasis will be placed on drama, poetry, writing, and speech. Because students of various abilities comprise the English 10 classes, activities, materials, and methods of evaluation are designed to challenge each student at his or her individual level.

Juniors and seniors must select a minimum of one credit of English per year to meet graduation requirements. Students must complete at least one semester of a **writing** class plus one semester of a **literature** class in order to meet graduation requirements.

The following courses meet the English Literature graduation requirement:

ADVANCED PLACEMENT (AP) ENGLISH LITERATURE & COMPOSITION

1 Credit

Year Long

Grade 12

PREREQUISITE: A grade of B or higher in AP English Language and Composition,

or

students must pass at least three of the following four requirements:

- 1) a score of Advanced (4) on the 11th grade writing assessment,
- 2) an average of B or higher in all previous English classes,
- 3) a PLAN Language Arts score of 20 or an ACT Language Arts score of 24,
- 4) instructor approval.

COURSE DESCRIPTION: Advanced Placement English Literature/Composition is a college level literature class. This year-long class represents the equivalent of a college semester literature class. Students may receive college credit for the class if they pass the AP test offered each spring. One objective of the class is to prepare students for the AP exam; however, the overall objective is to develop skills necessary for college. The course involves a wide variety of literature focusing on the key aspects in the development of Western literature. We read novels, plays, poetry, and some nonfiction and short stories. We do some entire class novels, small group novels, and individual choice novels. We also work on student writing, including preparing for and effectively writing essay exams. The focus of the first quarter is an exploration of what literature is, and how and why it impacts us. The second and third quarter readings explore the history and development of literature, including an exploration of some of the most significant works in Western history. The fourth quarter culminates with a research project connected to a literary work. Taking the Writing for College course prior to AP English Literature/Composition is highly recommended. The expectation of the AP program is that students are already capable of doing work at the college level.

ADOLESCENT LITERATURE

½ Credit

Semester

Grades 11-12

PREREQUISITE: None

COURSE DESCRIPTION: In this course, students will have the opportunity to explore literature written for adolescents and by adolescents by looking at various genres. They will read about and discuss themes related to adolescence in the United States. Students will discuss the literature with their peers, as well as read independently. In the beginning of the course, students will be asked to define and discuss the term "teenager" from a historical perspective. Next, they will look at the unique attributes of adolescent literature. Students will be encouraged to investigate literature by searching for award winners and reading library journals. Finally, students will write in response to literature.

AMERICAN LITERATURE

½ Credit

Semester

Grades 11-12

PREREQUISITE: None

COURSE DESCRIPTION: American Literature is a course designed to expose students to a variety of important authors, works, and literary movements that have impacted American history and culture from the origins of the American tradition to approximately 1925. The structure of coursework will be chronological, and connections between literature and historical events in America will be stressed. Writers such as Poe, Hawthorne, Emerson, Thoreau, and Fitzgerald will be studied. Various genres will be studied, including the essay, memoir, oral literature, short story, poetry, and novel. Students will be asked to apply literary terms and concepts, make thematic connections, and apply various themes to parts of their own lives. Students will read for a variety of purposes, including for experience, to learn, for information, and to develop their vocabulary. Titles in this class may include The Great Gatsby by F. Scott Fitzgerald, Walden by Henry David Thoreau, Cold Sassy Tree by Olive Ann Burns, and The Scarlet Letter by Nathaniel Hawthorne. Upon completion of the course, the student will have gained a very good grasp of American literature to 1925 and its correlation to American history.

MYTHOLOGY, SCIENCE FICTION, AND FANTASY

½ Credit

Semester

Grades 11-12

PREREQUISITE: None

COURSE DESCRIPTION: This semester course is designed to introduce students to foundation concepts and works within three important literature types: mythology, science fiction, and fantasy. Besides reading works from a variety of authors and cultures, students will also explore thematic topics including the hero and birth-death. In addition to a number of writing assignments, including creative-writing responses to each of the three literature areas, students will be expected to complete a number of smaller projects.

THEMES IN LITERATURE**

½ Credit

Semester

Grades 11-12

PREREQUISITE: None

COURSE DESCRIPTION: The emphasis of Themes in Literature is on the growth of the individual's comprehension and appreciation of literature. This class offers each student the opportunity to read a variety of types of literature and to develop and complete literature units that challenge him or her and correspond to his or her areas of interest. The course will begin with the introduction of skills necessary to develop these units. Skills related to library use, writing, research, and interpersonal situations; reading assessment; goals setting; and contract development will be emphasized. Once the student has learned these skills, he or she will develop an individual reading contract that will last approximately 4 1/2 weeks. During the semester three such contracts will be written.

TWENTIETH CENTURY LITERATURE

½ Credit

Semester

Grades 11-12

PREREQUISITE: None

COURSE DESCRIPTION: This course is a survey of 20th century themes and genres in modern and contemporary literature. Students will be challenged to approach literature as consumers. They will actively be involved in selecting and evaluating novels. The structure of reading assignments will vary, including independent and small group reading and discussion. Students will learn how to write in response to literature, participate in group discussions, and research the background of certain works. Another component of the course will be a study of media connections, a look at how movies, music and art complement literature. Twentieth Century Literature can be considered a continuation of American Literature, but it can also be taken without regard to sequence or alone.

The following courses meet the English Writing graduation requirement:

ADVANCED PLACEMENT (AP) ENGLISH LANGUAGE & COMPOSITION

1 Credit

Year Long

Grades 11-12

PREREQUISITE: A grade of B or higher in Honors English 10,

or

students must pass at least three of the following four requirements:

- 1) an SRI score of 1300 or higher,
- 2) a Semester 1 grade of B or higher in English 10,
- 3) a WKCE Language Arts score in the Advanced range,
- 4) instructor approval.

COURSE DESCRIPTION: AP English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts and skilled writers who compose for a variety of purposes. The goals of AP English Language and Composition are diverse because the college composition course is one of the most varied in the curriculum. AP English Language and Composition will teach students to read primary and secondary sources carefully, to synthesize material from these texts in their own compositions, and to cite sources using conventions recommended by professional organizations. The purpose of AP English Language and Composition is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. Students will write in both informal and formal contexts to gain authority and learn to take risks in writing. As well as engaging in varied writing tasks, students will become acquainted with a wide variety of prose styles from many disciplines and historical periods and gain understanding of the connections between writing and interpretive skill in reading.

EVERYDAY WRITING**

½ Credit

Semester

Grades 11-12

PREREQUISITE: None

COURSE DESCRIPTION: Everyday Writing teaches and reinforces the reading, writing, speaking, listening, and researching skills needed for a lifetime. Students will have the opportunity to write for a variety of situations, such as writing to prepare for a career, writing within the organization, writing for the public, technical writing, and letter writing. Emphasis will be given to content as well as visual presentation of a product. Finally, students will be challenged to strengthen their problem-solving skills using real-life scenarios and working within groups. Students will be assessed through tests, written assignments, and projects. Taking this course fulfills a .5 credit requirement for English. This course is team-taught by members of both the Language Arts and Business departments.

CREATIVE WRITING

½ Credit

Semester

Grades 11-12

PREREQUISITE: None

COURSE DESCRIPTION: Creative Writing is a course designed for students who wish to develop their abilities and talents in writing fiction and poetry. In addition to identifying, developing, and enhancing the student's creative writing skills, this course will also encourage the student's self and peer editing and evaluation skills. The course will include a variety of reading and writing activities and assignments. These will expose the students to the traditions of fiction and poetry.

WRITING FOR COLLEGE

½ Credit

Semester

Grades 11-12

PREREQUISITE: None

COURSE DESCRIPTION: Writing for College focuses on those skills most necessary for students to achieve success in post-secondary education. Students will write each one of the following papers: autobiography, classification, process, comparison/contrast, definition, abstract, annotated bibliography, and a literary analysis with research. Finally, students will write a formal research paper, eight to ten pages in length, using either MLA or APA documentation style. The formal research paper will also require a formal presentation (speech) based on the findings in the paper. Although students taking this course will be expected to have mastered standard English usage, they will also review these skills through necessary exercises and proof-reading exercises. Students who intend to pursue post-secondary education will discover that this course provides a framework for the various types of writing they may encounter in college.

The following courses count as English credit for graduation but do not meet the *Writing or Literature* requirement:

MASS MEDIA**

½ Credit

Semester

Grades 11-12

PREREQUISITE: None

COURSE DESCRIPTION: This class is designed to teach students about the media and its influence on American culture. In addition to looking at the culture and media, students will study the globalization of information, legal controls on the media, and the history and issues of individual media types. These types will include the print media, radio, television, recorded music, and movies. Students will also study the image-making nature of media by looking at the world of advertising and public relations. Students will learn about the media through text and discussion. In addition, students will visit media production facilities and create media presentations. Students considering a career in media or art are encouraged to take this class.

SPEECH

½ Credit

Semester

Grades 11-12

PREREQUISITE: None

COURSE DESCRIPTION: This class is designed to help students acquire confidence and poise as speakers and improve their mechanics of oral expression. By practicing and perfecting their oral expressions, students will prepare themselves for their future roles in the workplace and in society. Students will understand the process of voice production and the importance of vocal variables. They will present a variety of informal and formal speeches and participate in group discussions and debates.

The following courses count as credit for graduation but do not meet any English requirements:

INTRODUCTION TO THEATRE

½ Credit

Semester

Grades 9-12

PREREQUISITE: None

COURSE DESCRIPTION: Introduction to Theatre is designed for students of all grade levels. It is intended to introduce students to all the basic elements of theatre: the actor, the story, the audience, and the production. Critical reading, writing, and speaking will be stressed. Working with the ensemble will also be stressed through the production of a performance for elementary students. Much of the course work will be done in the auditorium, using the stage, light board, and soundboard as a lab. This course will meet the humanities requirement.

ADVANCED THEATRE

½ Credit

Semester

Grades 10-12

PREREQUISITE: Introduction to Theatre

COURSE DESCRIPTION: Advanced Theatre is a one-semester course designed for sophomores, juniors, and seniors who desire a deeper study and application of various aspects of the theatre than can be offered at an introductory level. Critical reading, writing, and speaking will be stressed. Students may take leadership and teaching positions with elementary and middle school students. The major evaluative tool will

be a performance of a fifteen-minute scene directed by the students and cast with other students in the class. This course will meet the humanities requirement.

YEARBOOK PUBLICATION

½ Credit Semester Grades 10-12

PREREQUISITE: None

COURSE DESCRIPTION: Yearbook Publication is designed to teach students the basics of magazine-style journalism. Students will learn how to complete layouts and place copy on a computer. These skills will be applied to enable students to utilize Adobe PageMaker and Jostens tools to produce sections of the yearbook. Students will learn to gather data, interview, write copy, place copy, and refine layouts through computer use. In the copy-production units, students will employ the writing process and apply laws governing high school journalism. Students will often work in groups on projects, gaining skills in cooperation and group communication. This course is especially recommended for students interested in the field of journalism, graphic arts, or computer science.

ADVANCED YEARBOOK PRODUCTION

1 Credit Year Long Grades 10-12

PREREQUISITE: Yearbook Publication

COURSE DESCRIPTION: Students design, develop and lead the visual and verbal theme for the yearbook. Editors appointed based on skills developed. Enrollment by teacher recommendation.

LITERATURE AND COMPOSITION

1 Credit Yearlong or Semester Grades 9-12

PREREQUISITE: Instructor approval

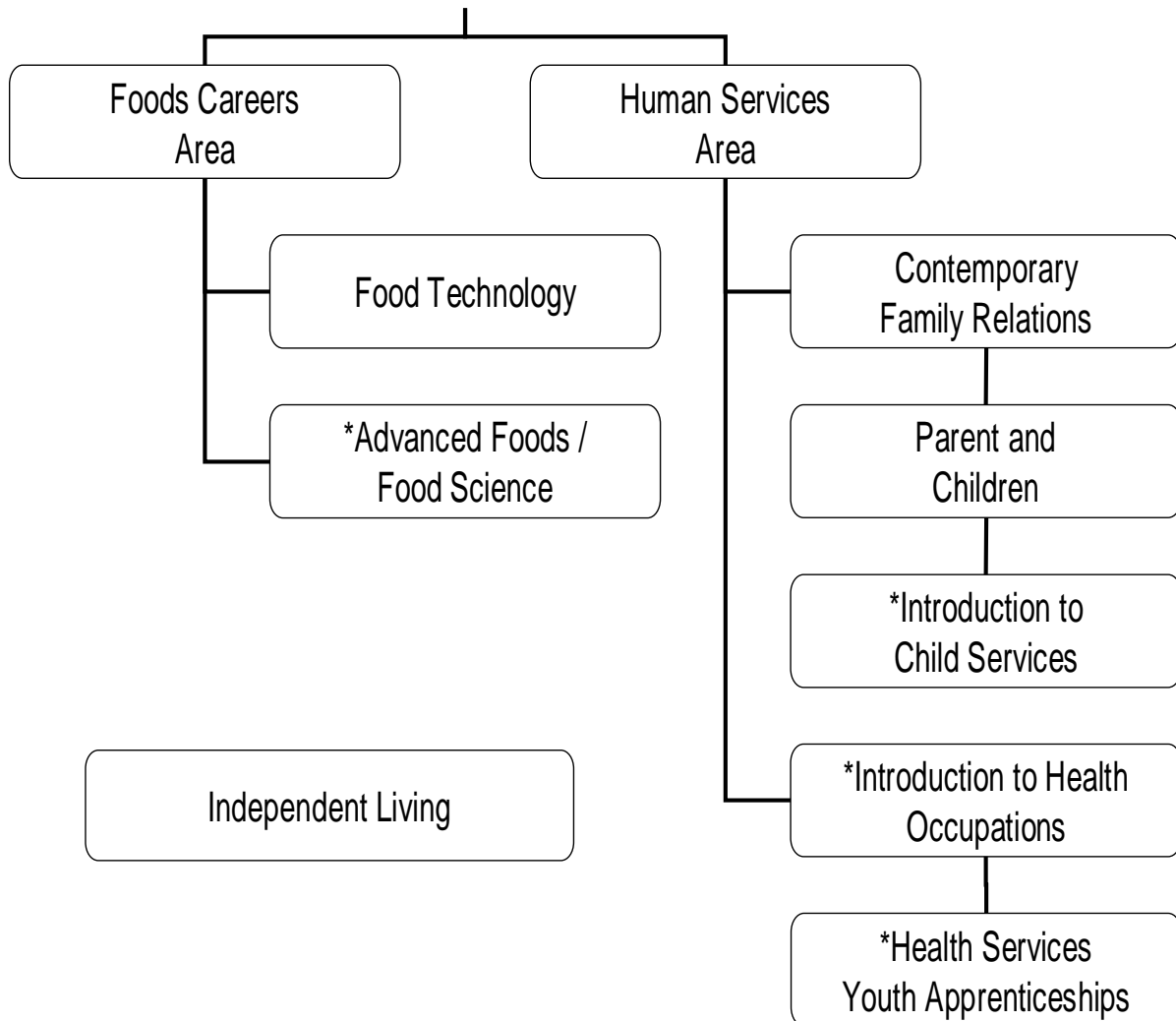
COURSE DESCRIPTION: **This is a literature and composition class for English Language Learners Levels 1-3.** Students will increase their English vocabulary in both academic and everyday language. Students will read a variety of literature in English, such as short stories, poetry, novels, and non-fiction. Students will receive instruction in grammar and writing conventions and use these in small and large writing assignments. Students will use English in both conversation and in formal speaking situations.

Character in Action - As You Register

HONESTY – do your best in all classes you choose and select courses wisely; your performance will define who you are.

FACE Curriculum Flow Chart

Family and Consumer Education



*Prerequisite required

INTRODUCTION TO CHILD SERVICES

1 Credit

Year Long

Grades 10-12

PREREQUISITE: Parents and Children

COURSE DESCRIPTION: This one-year class will prepare students for the role as childcare giver, either in the home or in the childcare industry. The first semester, students will learn about physical, social, emotional, and intellectual development of children. You will go to the elementary school one day per week for observation and participation. Each week you will learn an activity to present to young children. During the second semester, students will plan for and conduct two child care labs, one for children ages 2-3 and one for children ages 4-5. You will be the teachers and will apply what you learned during the first semester.

INTRODUCTION TO HEALTH OCCUPATIONS

½ Credit

Second Semester Only

Grades 10 -12

PREREQUISITE: Health Education

COURSE DESCRIPTION: This semester course will help you become familiar with career opportunities in the health field and decide if this is the career choice for you. Much of the class is hands on and you will learn to take temperature, pulse, respiration and blood pressure. You will learn to make a hospital bed, do aseptic hand washing and assist patients in walking and moving. Additional medical skills will be taught. Medical terminology that would be used in the field is learned. This class will help you to get a youth apprentice certificate and to access other post-secondary options.

HEALTH SERVICES YOUTH APPRENTICESHIPS

1 Credit

Year Long

Grades 11-12

.50 credit per semester for technical core junior/senior year

.50 credit per semester for work based core junior/senior year

PREREQUISITE: Introduction to Health Occupations, CNA - Junior or senior, identified health services career major.

If the student is serious about a career in the health care industry then this program is for him/her. This program involves being enrolled in CNA and Introduction to Health Occupations the junior or senior year. This youth apprenticeship involves 10 hours paid work experience per week average with a mentor/trainer. Selection for this program is done through an interview process by the coordinator, instructor and employer. Work situations cannot be guaranteed. Students are referred to positions and they need to apply, interview successfully and be hired to become part of this program. If interested the student must contact the F.A.C.E. instructor for an application form and to be initially enrolled pending employment.

INDEPENDENT LIVING (fee)

½ Credit

Semester

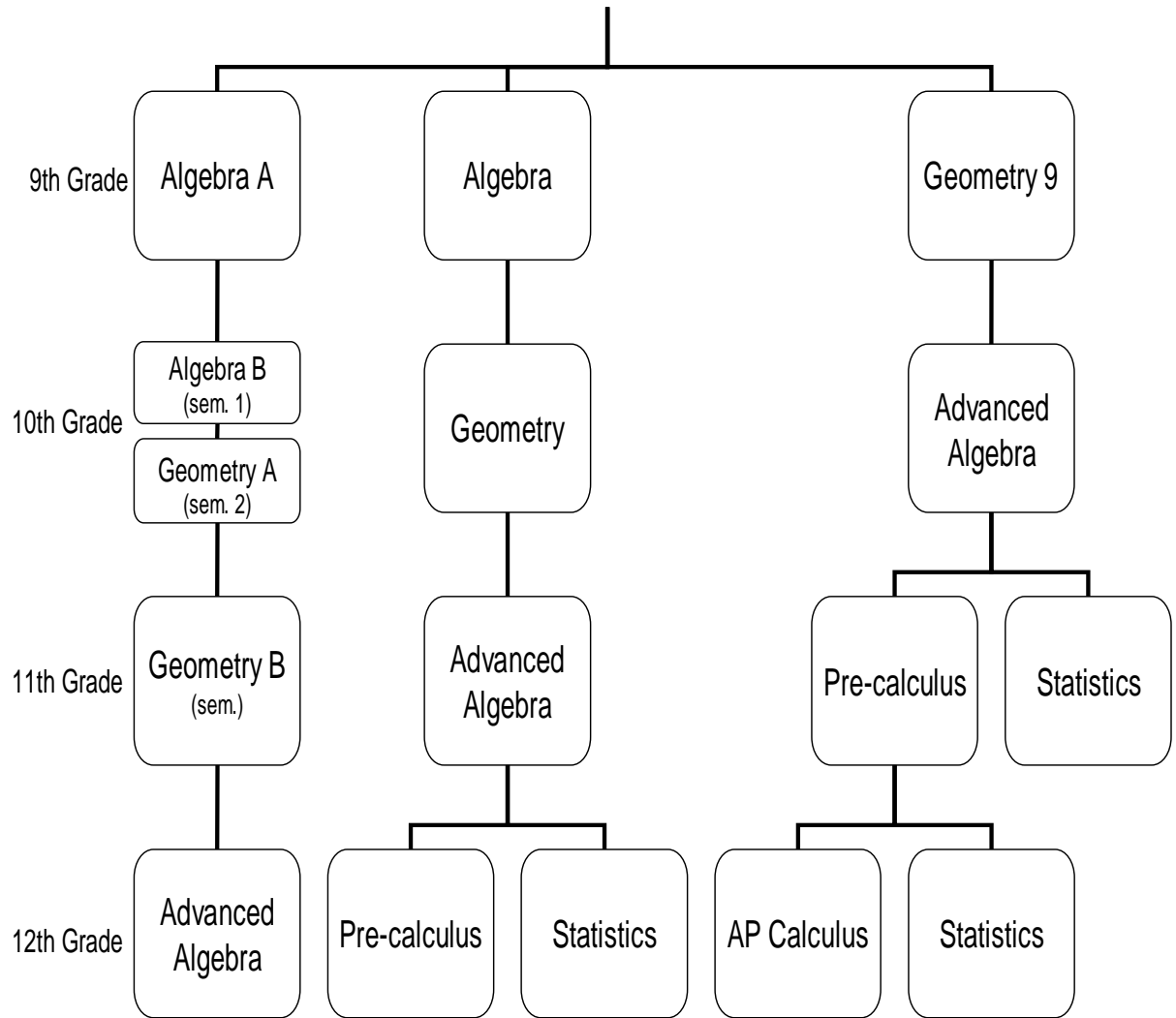
Grades 10-12

PREREQUISITE: None

COURSE DESCRIPTION: This course is intended to give students experiences that will lead to a readiness for independent living. This class can be viewed as a useful tool in helping students develop practical skills for their future in the areas of housing, food preparation, clothing selection and care, auto ownership, financial management, clothing and sewing skills. Students will be required to purchase supplies for a sewing project in the range of \$10.00.

Mathematics Curriculum Flow Chart

MATH



GEOMETRY

1 Credit

Year Long

Grades 10-12

PREREQUISITE: Successful completion of Algebra

COURSE DESCRIPTION: Geometry is a mathematical system concerned with points, lines, surfaces, and solids. In other words, it is the mathematics of two- and three-dimensional shapes that make up our world. Other topics covered include angles, polygons, circles, proportions, the coordinate system, and trigonometric ratios. The primary intent of geometry is to provide a sound basis in deductive thought processes through the use of postulates, theorems, and mathematical proofs. Its goal is to enable students to understand and draw upon their ability to reason within a logical framework with the help of experimentation and induction. Computer based as well as real world applications are explored. This course may be taken concurrently with Advanced Algebra only with instructor approval.

GEOMETRY A $\frac{1}{2}$ Credit2nd Semester

Grade 10-12

PREREQUISITE: Successful completion of Algebra B

COURSE DESCRIPTION: This course introduces the study of geometry. Topics covered will include inductive and deductive reasoning, vocabulary of geometry, and constructions. When taken with Geometry B, this course is considered comparable to a full year course in Geometry.

GEOMETRY B

1 Credit

Year Long

Grade 11-12

PREREQUISITE: Successful completion of Geometry A

COURSE DESCRIPTION: This course covers triangle congruence, polygon properties, circle properties, transformations and tessellations, area, volume, similarity, and the Pythagorean Theorem. When taken with Geometry A, this course is considered comparable to a full year course in Geometry.

GEOMETRY 9

1 Credit

Year Long

Grade 9

PREREQUISITE: Only open to 9th graders who have had Algebra in 8th grade.

COURSE DESCRIPTION: This is an advanced Geometry course for 9th graders. Geometry 9 goes into greater depth than regular Geometry. Geometry is a mathematical system concerned with points, lines, surfaces, and solids. In other words, it is the mathematics of two- and three-dimensional shapes that make up our world. Other topics covered include angles, polygons, circles, proportions, the coordinate system, and trigonometric ratios. The primary intent of geometry is to provide a sound basis in deductive thought processes through the use of postulates, theorems, and mathematical proofs. Its goal is to enable students to understand and draw upon their ability to reason within a logical framework with the help of experimentation and induction. Computer based as well as real world applications are explored.

PRE-CALCULUS

1 Credit

Year Long

Grades 11-12

PREREQUISITE: B or better in Advanced Algebra.

COURSE DESCRIPTION: The topics to be covered: Functions and their graphs, Polynomial, Power, and Rational Functions, Exponential, Logistic and Log Functions, Trig Functions, Analytic Trigonometry, Applications of Trig, Conic Sections, and an introduction into Calculus. Students will be required to purchase either a TI-83 or TI-84 calculator.

STATISTICS

1 Credit

Year Long

Grade 11-12

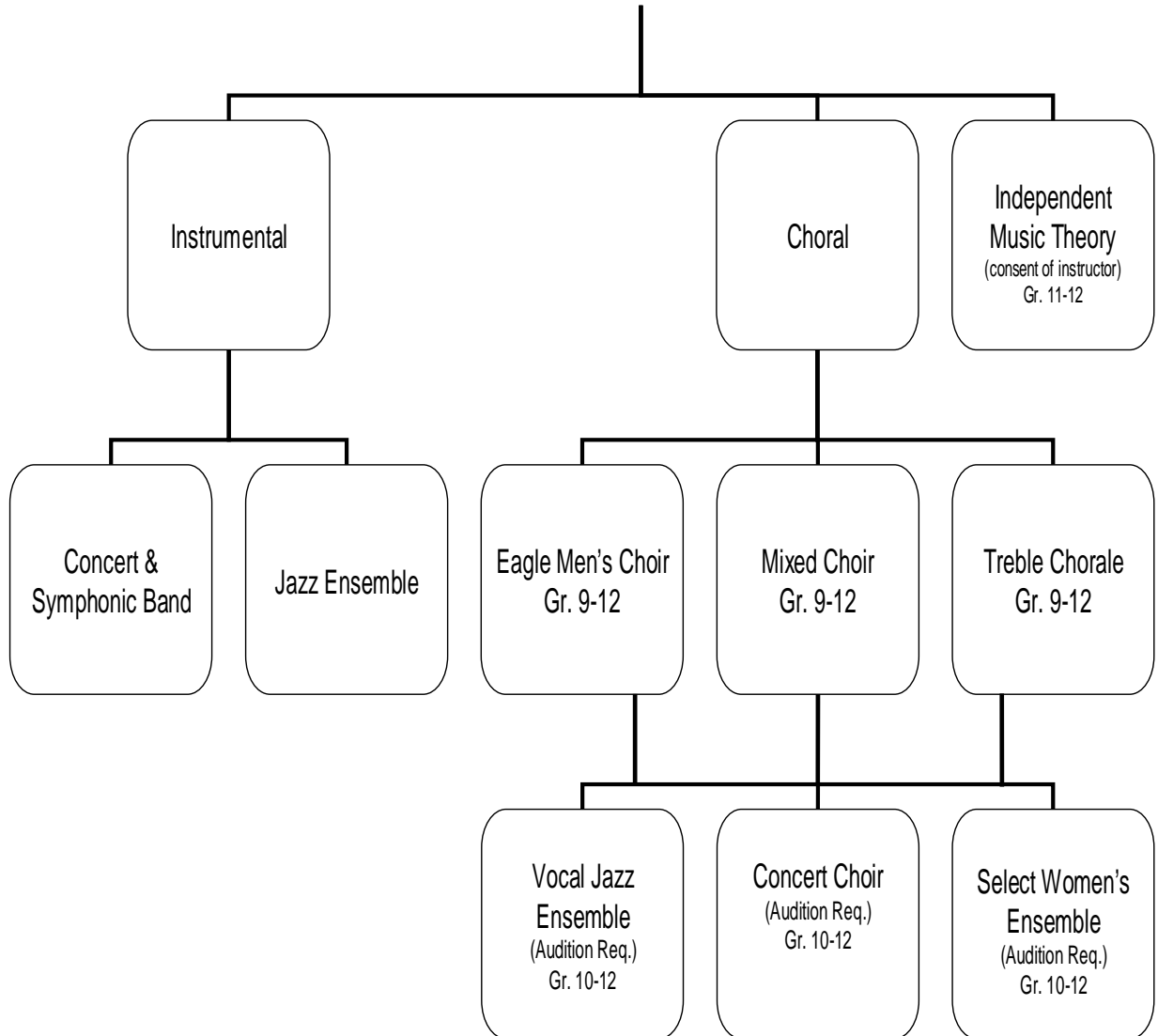
This course fulfills Jefferson High School's requirement for Math credit toward graduation. However, some four-year colleges may not accept this course to meet their requirements. Please see your counselor for more information.

PREREQUISITE: Successful completion of Advanced Algebra, can be taken concurrently with pre-calculus or Calculus.

COURSE DESCRIPTION: This is a beginning statistics course. This course is designed to exemplify how statistics is used to picture and describe the world and to help students to make informed decisions. Topics covered will include descriptive statistics, probability, discrete and normal probability distributions, confidence intervals, hypothesis testing, and correlation and regression. Students will be required to purchase either a TI-83 or TI-84 calculator.

Music Curriculum Flow Chart

MUSIC



TREBLE CHORALE

1 Credit

Year Long

Grades 9-12

PREREQUISITE: None

COURSE DESCRIPTION: This is an entry level choir open to any female student. Styles rehearsed and performed will include pop, Broadway, jazz, and classical repertoire. There will be a minimum of three concerts per year.

VOCAL JAZZ ENSEMBLE

1 Credit

Year Long

Grades 10-12

PREREQUISITE: Membership in Vocal Jazz is by audition only. Auditions will happen in the spring semester of the previous year. In addition, students should make every attempt to participate in another choir.

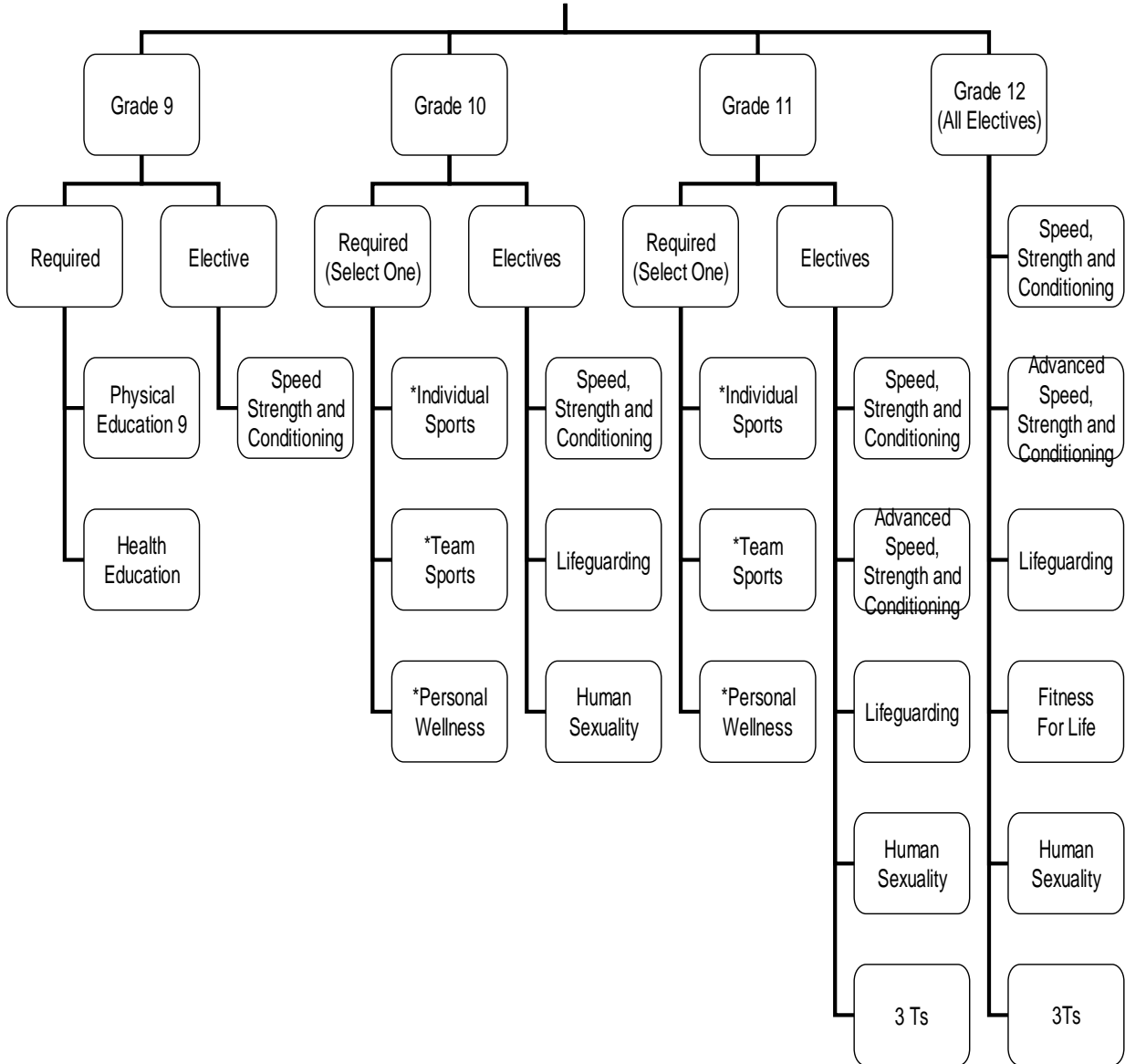
COURSE DESCRIPTION: Highly selective vocal ensemble that will learn basic through advanced techniques of vocal jazz performance including improvisation, microphone technique and jazz arranging. Individuals will also learn the basics of solo performance in the jazz, R&B, and pop styles. In addition, students will learn how to set up and run a sound system during rehearsals and performances. This ensemble will perform at least three times throughout the year and attend at least one jazz festival.

Character in Action - As You Register

CARING – assist others that struggle in classes you understand; cooperate with your instructors.

Physical and Health Education Curriculum Flow Chart

Physical and Health Education



FITNESS FOR LIFE
½ Credit Semester Grade 12

PREREQUISITE: Must have completed all Physical Education graduation requirements with at least a B average.

COURSE DESCRIPTION: Advanced Physical Education 12 "Fitness for Life" is intended as an integrated classroom/lab program of studies with the primary purpose of allowing students to develop and implement a current and lifetime personal wellness program. Emphasis will be on lifelong activities. This class will also cover information on career pathways to physical education, health, recreation, physical therapy, and sports medicine. It is open to seniors that have successfully completed all Physical Education graduation requirement courses. A fee may be charged for some activities.

LIFEGUARDING
½ Credit Semester Grades 10-12

PREREQUISITE: Prior approval from instructor.

COURSE DESCRIPTION: This course will teach and train students with advanced swimming ability (level 7) to become certified lifeguards by the American Red Cross. Students will also be certified in First Aid and CPR for the Professional Rescuer. The course will prepare students for the challenges and responsibilities of being a professional lifeguard. Students will be required to purchase the American Red Cross Lifeguarding Today manual that will be used during the semester. This class is limited to 10 students.

SPEED, STRENGTH & CONDITIONING
½ Credit Semester Grades 9-12

PREREQUISITE: None

COURSE DESCRIPTION: This is a semester long coed class that is available to all students. This class will develop knowledge on how to gain strength, speed, and cardiovascular strength through hands on learning. The course will enable students to design individual weight, speed and cardiovascular programs based on individual goals. Students will also learn about new concepts and philosophies of nutrition and fitness.

HEALTH EDUCATION
½ Credit Semester Grade 9

PREREQUISITE: None

COURSE DESCRIPTION: You make decisions that affect your health. Decisions about drugs, alcohol, tobacco, exercise, safety and nutrition all affect your health. In this course we will examine some health issues that affect students today. Some of the areas which we will look at include: relationships, improving mental health, stress management, nutrition, fitness, adolescence, family living, alcohol and other drugs, communicable and non-communicable diseases, environmental health, public health, and consumer health. These are just a few of the areas, which we will be working on in Health Education.

HUMAN SEXUALITY
½ Credit Semester Grades 10 -12

PREREQUISITE: Health Education

COURSE DESCRIPTION: This elective class is open to freshmen, sophomores, juniors, and seniors. This is NOT a substitute for Health Education. (Health Education continues to be a requirement for all freshmen.) This course will cover the physical and emotional aspects of human sexuality. Topics covered include; sexual attitudes and values, sexual responsibility, human sexual response, reproductive anatomy, pregnancy/childbirth, birth control, infertility, options for unplanned pregnancy, disease and sexuality, sex crimes, gender roles. The material will be presented in a straightforward manner and requires a mature approach by the learner.

TEENS TEACHING TEENS (3Ts)
1 Credit Year Long Grades 10-12

PREREQUISITE: Grade C or better in Health 9

COURSE DESCRIPTION: Teens Teaching Teens is a Cross-Aged Peer Education Class in which students are trained to implement an alcohol, tobacco, and other drug awareness prevention curriculum with elementary, middle school, and high school students. Areas of emphasis are as follows:

- ★ Teach age appropriate information about alcohol, tobacco, and other drugs
- ★ Enhance self esteem and self awareness of students
- ★ Teach decision making and problem solving skills
- ★ Teach assertiveness and peer refusal skills
- ★ Teach life coping skills, stress management, communication, personal responsibility, relationship building, and alternatives to alcohol, tobacco, and other drug use
- ★ Write a mini grant
- ★ Develop drug free activities for high school students
- ★ Become knowledgeable about alcohol, tobacco, and other drug facts and information

Science Curriculum Flow Chart

JHS Grad. Required:

1 – Physical Science

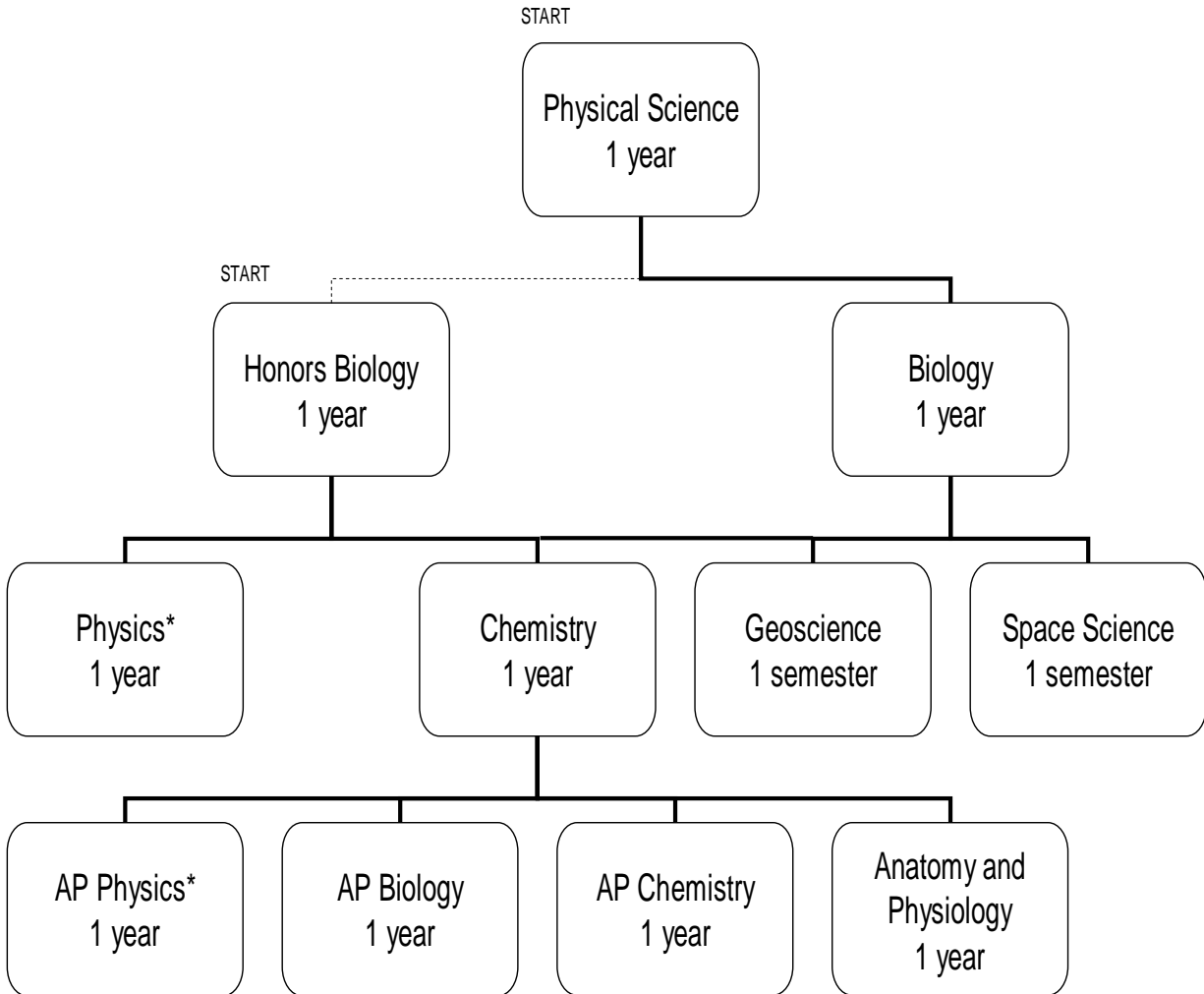
1 – Life Science

SCIENCE

College Bound:

**3 years of Science (4 preferred)

**Future career dictates which courses/path to take



* = It is possible to take AP Physics w/o having taken Physics – but it is NOT recommended

SCIENCE

Students must complete 2 credits of science to graduate; one of which is biology. The UW-System requires a minimum of 3 years in order to meet admission requirements.

Students who have been recommended to begin with Biology need to have good science study habits. Please see your current science teacher or counselor if you need help in this area.

Course Title	Open To	Credit
Advanced Placement (AP) Biology	11-12	1.00
Advanced Placement (AP) Chemistry	11-12	1.00
Advanced Placement (AP) Physics	11-12	1.00
Anatomy & Physiology	11-12	1.00
Biology	10-12	1.00
Chemistry	10-12	1.00
General Biology	10-12	1.00
Geoscience	10-12	.50
Honors Biology	9-10	1.00
Physical Science	9-12	1.00
Physics	11-12	1.00
Space Science	10-12	.50

Please see the course sequence flow chart on page 31.

ADVANCED PLACEMENT (AP) BIOLOGY

1 Credit Year Long Grades 11-12

PREREQUISITE: Students must have completed a year of high school biology and chemistry earning a B- or better in both courses. Completion of advanced algebra or concurrent enrollment is required. Students not meeting the prerequisites may be admitted with instructor approval. Students will need to purchase a lab notebook.

COURSE DESCRIPTION: The AP Biology course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. AP Biology should include those topics regularly covered in a college biology course for majors. The college course in biology differs significantly from the usual first high school course in biology with respect to the kind of textbook used, the range and depth of topics covered, the kind of laboratory work done by students, and the time and effort required of students. The AP Biology course is designed to be taken by students after the successful completion (B- minimum) of a first course in high school biology and one in high school chemistry as well. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Summer work will be assigned.

ADVANCED PLACEMENT (AP) CHEMISTRY

1 Credit Year Long Grades 11-12

PREREQUISITE: Completion of Chemistry with a grade of B or better. Students will need to purchase a lab notebook.

COURSE DESCRIPTION: The Advanced Placement Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. It should meet the objectives of a good college general chemistry course. Students in such a course should attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course should contribute to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. The college course is general chemistry and differs qualitatively from the usual first secondary school course in chemistry with respect to the kind of textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the kind of laboratory work done by students. Quantitative differences appear in the number of topics treated, the time spent on the course by students, and the nature and the variety of experiments done in the laboratory. The AP Chemistry course is designed to be taken only after the successful completion of a first course in high school chemistry. It is recommended that students have successfully completed a second-year algebra course as well.

ADVANCED PLACEMENT (AP) PHYSICS

1 Credit Year Long Grades 11-12

PREREQUISITE: Completion of Physics with a grade of B or better. Students will need to purchase a lab notebook.

COURSE DESCRIPTION: AP Physics is a fast paced class designed to prepare the student for success in taking the AP Physics B (Algebra based) exam. Topics covered will include motion studies, force studies, wave mechanics, electricity, and gas laws. Students are advised that some universities do not waive their physics requirements for students who pass the AP B exam. This is especially true if the student is enrolling as an engineering or physics major. The student needs to check with their intended university of study to determine if passing the AP B exam will benefit them. Outside readings and other outside work will be assigned.

ANATOMY & PHYSIOLOGY

1 Credit Year Long Grades 11-12

PREREQUISITE: Biology and Chemistry. Grade requirements include a B- or above in Biology and a C or higher in chemistry. Instructor approval may be given if these grade requirements are not met.

COURSE DESCRIPTION: This course is designed to give the student an in-depth look at the human body both structurally and functionally. A systems approach is used with the emphasis on physiology, although anatomy has not been slighted. An effort has been made to integrate all aspects of the body so that the student may develop the habit of thinking of the organism as a single functioning homeostatic entity. Every attempt is made to apply the material to familiar issues, problems and experiences. Microscopic study of tissues, dissection and experimentation will be a regular part of instruction. Outside work will be assigned.

BIOLOGY

1 Credit Year Long Grades 10 -12

PREREQUISITE: Physical Science

COURSE DESCRIPTION: This course is designed to provide students with the information they need to understand the complexity of life. Quarter one is used to introduce students to the nature of life at a cellular and molecular level. During quarter two, students will be introduced to the areas of genetics and DNA. The third quarter spends time looking at the five kingdoms of life, taxonomy, and natural selection. The fourth quarter is devoted to the study of ecology and plants.

Wet and dry labs are used to help students gain a better understanding of how living things look and work. This class is taught at a level that will give students who are looking to enter the advanced courses the basic knowledge and information that is required to continue their studies. Meets the Biology requirement.

CHEMISTRY

1 Credit Year Long Grades 10-12

PREREQUISITE: Completion of Algebra and geometry with a C or better and previous Sciences with a C or better. If the student took Algebra A strand then completion of Geometry B with a C or better is required.

COURSE DESCRIPTION: Chemistry is a laboratory-oriented course that is enjoyable as well as beneficial. It is geared to contribute to the general education of all students who enroll in it. It strives to serve as a springboard for students who may wish to specialize in chemistry or related fields in their future careers. Students will learn about the types interaction that occur in nature by studying about atomic structure, matter and energy, chemical reactions, physical and chemical properties, and the different types of forces that are at play in the physical world they live in.

GENERAL BIOLOGY

1 Credit Year Long Grades 10-12

PREREQUISITE: Instructor approval

COURSE DESCRIPTION: This course is designed to expose the students to the variety and complexity of living things and instill an understanding of the critical relationship and delicate balance between those organisms and their environment. Microscopy and dissections will be used to emphasize the similarities and differences between organisms. Every effort will be made to apply the material to present issues, problems and experiences. Material will be covered at a slower pace and vocabulary will be simplified compared to the regular biology course. Meets the Biology requirement.

GEOSCIENCE

½ Credit Semester Grades 10-12

PREREQUISITE: Successful completion of two years of science and regular algebra with a C or better in all classes. If the student has taken Algebra A and Algebra B in place of regular Algebra, then the minimum acceptable algebra grade needed is a C+ or better.

COURSE DESCRIPTION: In this class, the students will study the geologic forces that shape planets. The identification of minerals, rocks, and fossils will be covered. The student will develop a sense of Earth history as well. The geology of Wisconsin as well as the atmosphere and its impact on meteorology will also be discussed. This class meets the physical science requirement.

HONORS BIOLOGY

1 Credit Year Long Grades 9-10

PREREQUISITE: This class is open to freshmen or sophomores who have met the following criteria: a grade of B- or better in previous science coursework, scoring Advanced or Proficient on the WKCE in science, an EXPLORE score of 20 or better in science, or instructor approval.

COURSE DESCRIPTION: Honors Biology is geared toward college bound students interested in pursuing a career in the field of science or for the students who have a profound interest in life science. This course will prepare students to handle the more in-depth study of concepts that are presented in the Advanced Placement Biology curriculum. Semester one will cover the areas of molecular biology, genetics, and evolution, while semester two will focus on the areas of organism diversity and ecology.

PHYSICAL SCIENCE

1 Credit

Year Long

Grades 9-12

PREREQUISITE: None

COURSE DESCRIPTION: An introductory level survey course in which material from many different branches of science is presented. Particular emphasis is placed on chemistry and physics. Meets the Physical Science requirement.

PHYSICS

1 Credit

Year Long

Grades 11-12

PREREQUISITE: Completion of Algebra with a grade of B- or better and either completion of Advanced Algebra with a B- or better or concurrent enrollment in Advanced Algebra.

COURSE DESCRIPTION: This course is designed to look at how the world works from a scientific standpoint. The yearlong course is broken up into two areas. The first semester of Physics covers speed, acceleration, momentum, simple machines and hydraulics. The second semester covers thermodynamics, waves, sound, light, nuclear energy and electricity. Throughout the course students will be asked to interpret concepts, make models, perform labs and investigate the world around them. Also the student will make extensive use of the metric system, basic algebra and geometry. This class should be taken by college-bound students, especially those who have not taken General Science as a freshman. Meets the Physical Science requirement.

SPACE SCIENCE

½ Credit

Semester

Grades 10-12

PREREQUISITE: Successful completion of two years of science and regular algebra with a grade of C or better in all science courses and a grade of C+ or better in algebra. If a student used Algebra A and Algebra B to fulfill the math requirements then the minimum acceptable algebra grade is B-.

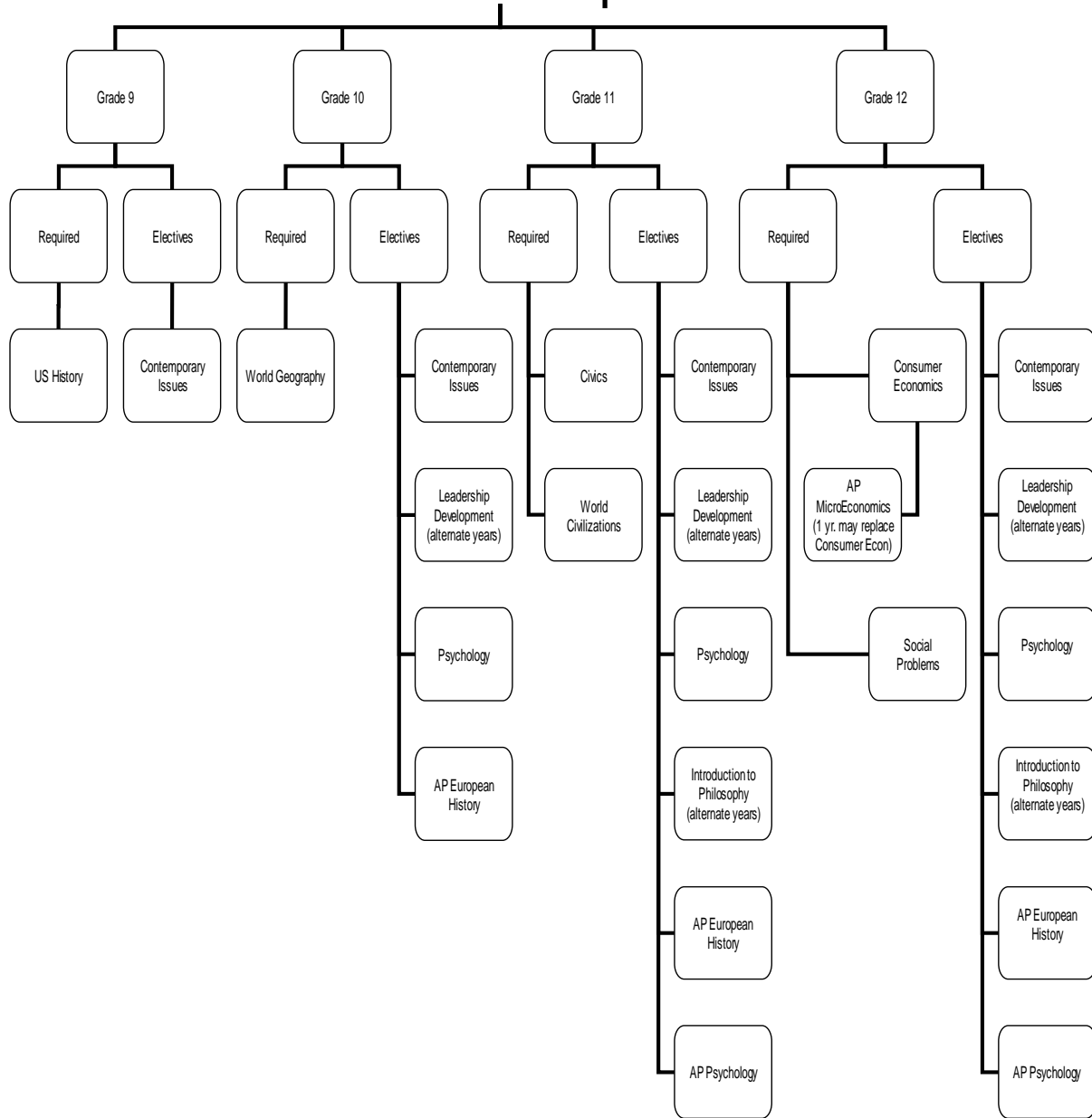
COURSE DESCRIPTION: This class will deal with the makeup of the heavens and how we know what is there. Subjects covered will include learning about and identifying constellations, using a celestial cylinder to predict planetary and stellar positions, using spectroscopes to identify elements from the light they produce and mapping techniques. This class meets the physical science requirement.

Character in Action - As You Register

SELF-DISCIPLINE – success in classes comes from doing all assignments, reviewing, and asking for help when needed.

Social Studies Curriculum Flow Chart

Social Studies Requirements



SOCIAL STUDIES

Course Title	Open To	Credit
Advanced Placement (AP) European History	10-12	1.00
Advanced Placement (AP) MicroEconomics	12	1.00
Advanced Placement (AP) Psychology	11-12	1.00
Civics	11	.50
Consumer Economics	12	.50
Contemporary Issues	9-12	.50
Introduction to Philosophy	11-12	.50
Leadership Development	10 -12	.50
Intro to Psychology	10 12	.50
Social Problems: Introduction to the Social Sciences	12	.50
United States History	9	1.00
World Civilization: Past and Present	11	.50
World Geography	10	.50

Please see the course sequence flow chart on page 35.

Courses offered 2013-2014 and 2015-2016
Introduction to Philosophy

Courses offered 2012-2013 and 2014-2015
Leadership Development

ADVANCED PLACEMENT (AP) EUROPEAN HISTORY

1 Credit Year Long Grades 10-12

PREREQUISITE: Students taking AP European History should have scored Advanced on the WKCE Social Studies Test, averaged a B or better in previous social studies classes, and have instructor approval.

COURSE DESCRIPTION: This year-long course is designed to increase the student's understanding of European History/Western Civilization from approximately 1450 (the Renaissance) to the recent past (fall of Communism/Recreation of a new Capitalistic Europe). We will examine, chronologically, the major events, people, and trends that led to the development of Europe and its institutions (the political, diplomatic, intellectual, cultural, social, and economic). This AP European History class is the equivalent of a general college Western Civilization course and students will have the training and opportunity to gain from 3 to 6 college credits by successfully taking the College Board's national examination in the late Spring. Beyond gaining a greater, more thorough knowledge of European History and its principal themes, students will become better prepared to handle the rigors and challenge of college study. They will improve their writing style, ability to make logical and well supported arguments, ability to critically evaluate scholarly works, and ability to synthesize data. Lastly, the course will hopefully foster a "love of history" and, thereby, promote continued historical study. This course may replace the World Civilization requirement with successful completion of both semesters.

ADVANCED PLACEMENT (AP) MICROECONOMICS

1 Credit Year Long Grades 12

PREREQUISITE: Students taking AP Microeconomics should have scored Advanced on the WKCE Social Studies Test, averaged a B or better in previous social studies classes, and have instructor approval.

COURSE DESCRIPTION: Advanced Placement (AP) microeconomics offers the high achieving student an opportunity to earn college credit while in high school. This year long course extensively studies the ways in which individuals and businesses attempt to use their scarce resources in the most efficient manner. The course culminates with a College Board Advanced Placement Examination in the late spring. Successful completion of the examination allows a student to earn undergraduate credits. A full year successful completion of this course will be accepted in lieu of the semester requirement of Consumer Economics. This course may also replace the Consumer Economics requirement with successful completion of both semesters.

ADVANCED PLACEMENT (AP) PSYCHOLOGY

1 Credit Year Long Grades 11-12

PREREQUISITE: Students taking AP Psychology should have scored Advanced on the WKCE Social Studies Test, averaged a B or better in previous social studies classes, and have instructor approval.

COURSE DESCRIPTION: This course examines and evaluates the topics and issues in the field of psychology through in-depth study, discussion, activities and projects. There will many different areas of interest explored. Topics of study will include research methods, personality, psychological disorders, brain and behavior, learning, consciousness and dreaming, stress and health, motivation and emotion, and memory. The emphasis will be on how issues in psychology affect the student in their own lives with activities designed to encourage students to apply topics to real-world situations. Critical thinking skills will be a focus in order to prepare students for the rigorous standardized tests and requirements of higher education learning. Students will be prepared for the AP Psychology exam in spring as a result of individual, group and class work.

CIVICS

½ Credit

Semester

Grades 11

PREREQUISITE: None

COURSE DESCRIPTION: This course examines the significance of government in everyday life. Government systems from the past and present are evaluated based on their goals and accomplishments. Students will link history to the development of the American governing system. The principles of this government will be demonstrated and applied through the activities in the classroom and in the community. There will be an emphasis on learning the importance of being an involved citizen, understanding your rights and responsibilities. In addition, part of each student's time will be spent studying current issues and events.

CONSUMER ECONOMICS

½ Credit

Semester

Grade 12

PREREQUISITE: None

COURSE DESCRIPTION: Economics is one of the most important classes students will take. Everyone is a consumer every day of his or her lives. Most people spend large parts of their lives either trying to earn money, or deciding what to do with the money they do have. Many decisions in life are in some way motivated by economics. Students will learn what economics is and how it applies to them. They will learn how individual consumer choices have an impact on the national economy. Students will learn about the money system and how to manage credit. They will learn how the government influences and is affected by economic conditions. Students will learn their role and impact on the global economy. There are two major outside class projects. Current events are also part of this class.

CONTEMPORARY ISSUES

½ Credit

Semester

Grades 9-12

PREREQUISITE: None

COURSE DESCRIPTION: Contemporary Issues is a single semester, elective course available to all students at Jefferson High School. It is designed to address the Wisconsin State Standards by introducing the students to the fundamental issues at work in modern society through an examination of current events. Debate, discussion and research are the primary activities of this course. Due to the nature of current events, there will be no effort made to treat these units in a chronological fashion. Lessons will be presented in a fluid manner, dependent upon the events of the week. However, the course is designed around four central themes.

INTRODUCTION TO PHILOSOPHY

½ Credit

Semester

Grades 11-12

PREREQUISITE: None

Introduction to Philosophy is a single semester elective course designed for juniors and seniors. It is constructed upon 5 primary philosophical themes; ethics, metaphysics, epistemology, logic, and political (social) philosophy. Reading, discussion and essays are the primary activities and assessments in this course designed for 11th and 12th grade students. The four primary units include ethics, metaphysics, epistemology and political philosophy.

LEADERSHIP DEVELOPMENT

½ Credit

Semester

Grades 10 -12

PREREQUISITE: None

COURSE DESCRIPTION: Recognizing that leadership needs to be practiced, we will provide opportunities for students to consider leadership concepts and to practice what they have learned within the classroom setting, the school, and the community. The emphasis will be on participation. The course content will be designed for those students who demonstrate potential leadership ability and for those who have an interest in developing their leadership skills.

INTRO TO PSYCHOLOGY

½ Credit

Semester

Grades 10 12

PREREQUISITE: None

COURSE DESCRIPTION: This semester-long course is designed to expose students to the field of psychology. Psychology is the scientific study of behavior and mental processes. Students will increase their understanding of how the mind works through investigation and discussion. They will learn the methods psychologists use to do research and what psychologist can do for jobs. They will also examine how biology affects behavior, and how we learn. We will explore the changes that occur in our development from infancy to adulthood. Students will question what constitutes intelligence, and discuss motivation and memory. We will evaluate how emotions and stress affect our mental health. We will also identify and research various psychological disorders. Students will increase their critical thinking and discussion skills. Finally, students will have learned more about themselves, the people in their lives, and will be interested in learning more.

SOCIAL PROBLEMS: INTRODUCTION TO THE SOCIAL SCIENCES

½ Credit

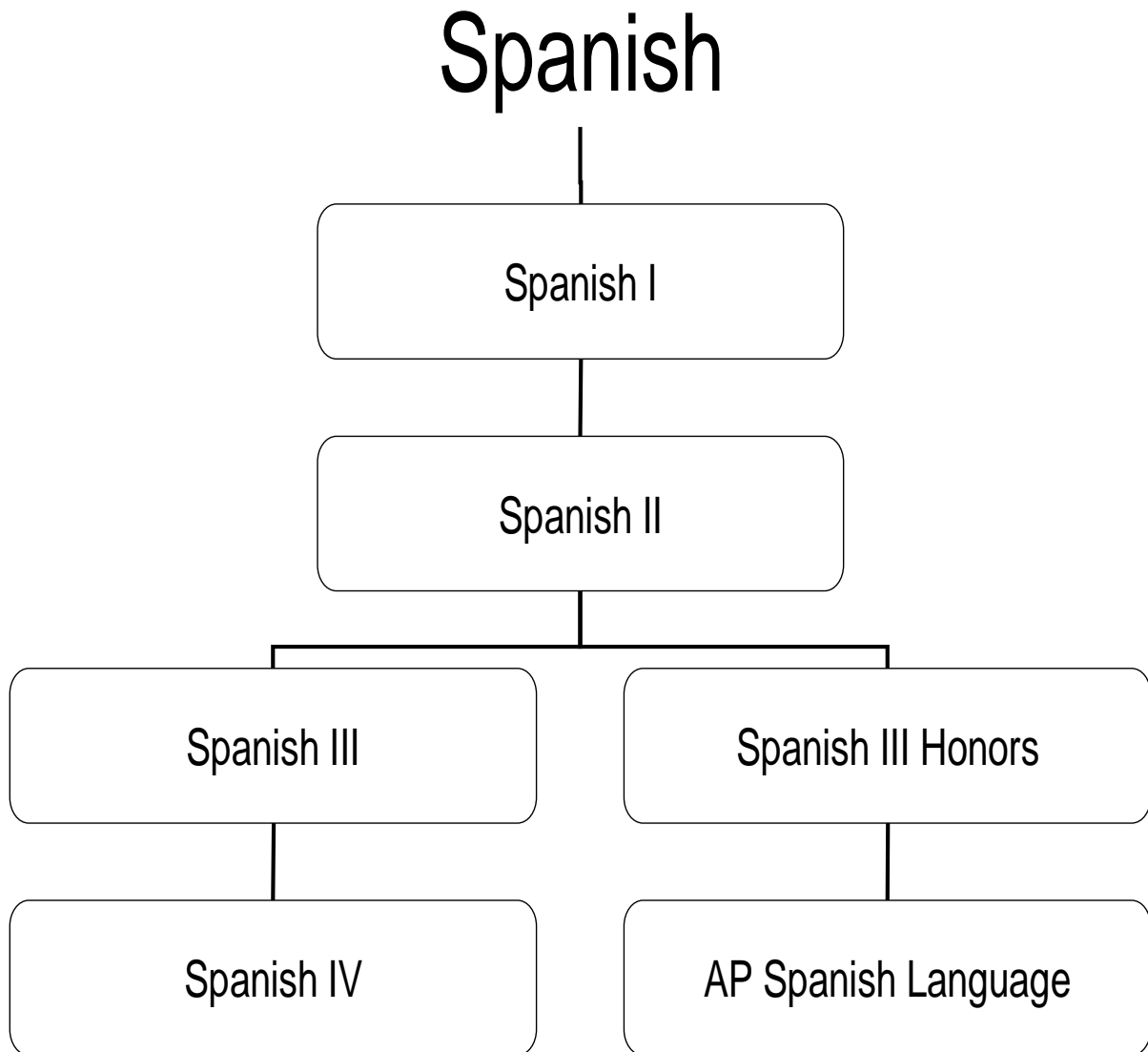
Semester

Grade 12

PREREQUISITE: None

COURSE DESCRIPTION: This course is designed to increase the students' understanding of the Social Sciences, especially the field of Sociology. Sociology is the Social Science that deals with human beings and their relationships with other human beings. In other words, Sociology is the study of human group behavior. Students will discover that almost their entire behavior is the result of the groups to which they belong. They will follow the phases of human socialization that they will or have already gone through which makes them into unique social human beings. Through this knowledge, students will better understand why people behave the way they do, which will help them to better understand others and, perhaps more importantly, better understand themselves. Students will view their way of life, their culture, and understand how and why it developed the way it did and that it is unique in the world. Using the Social Sciences, we will examine universal social problems such as crime, poverty, racism, social classes, divorce, and the demographic problems such as overpopulation. Students will

Spanish Curriculum Flow Chart



ADVANCED PLACEMENT (AP) SPANISH LANGUAGE

1 Credit

Year Long

Grades 11-12

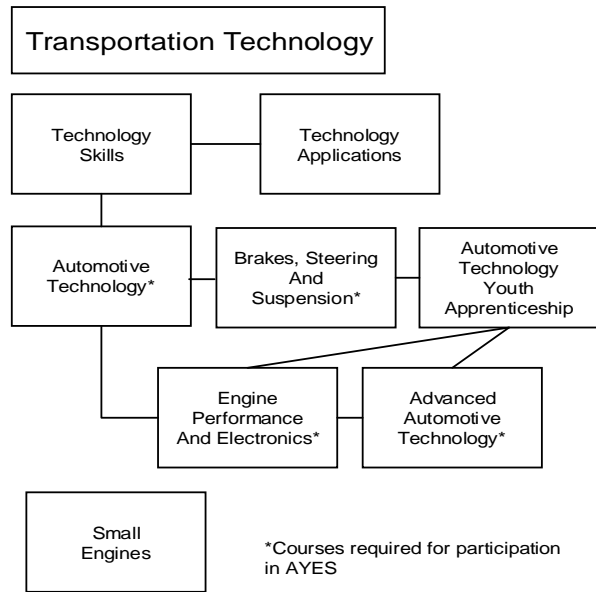
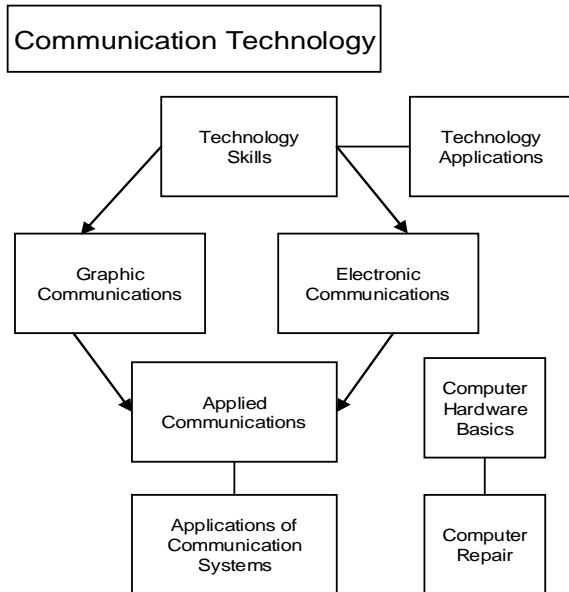
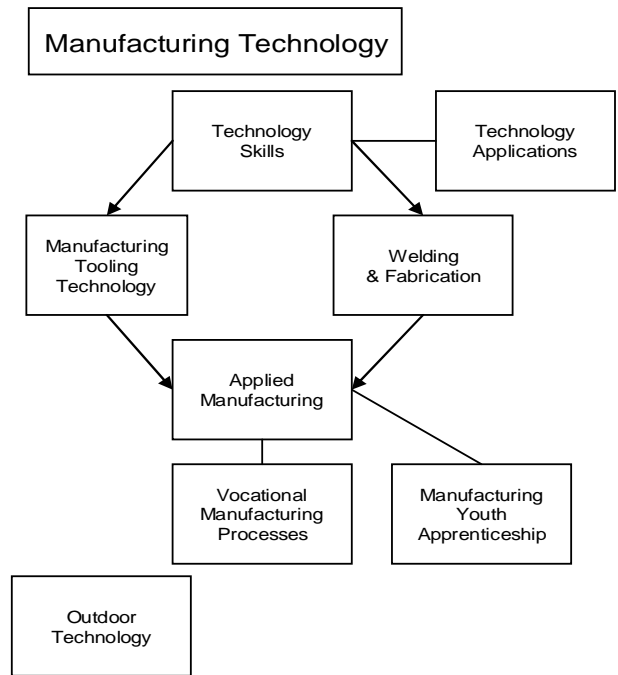
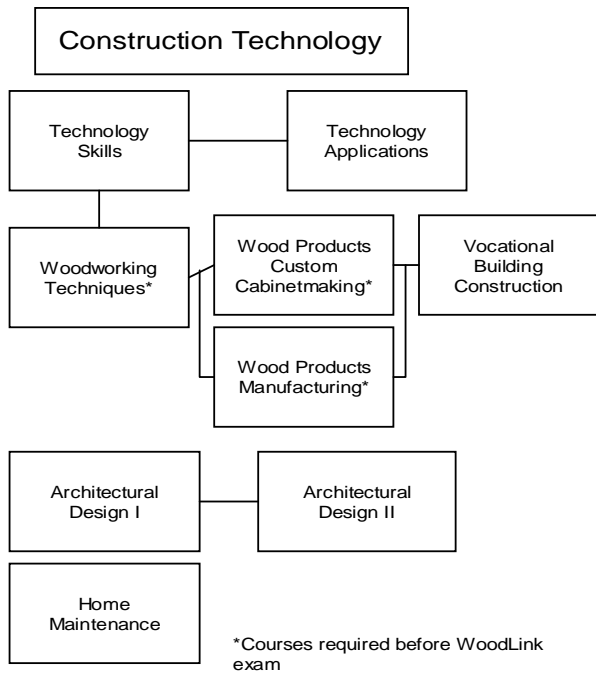
PREREQUISITE: B or better in Spanish III Honors or Spanish IV or instructor approval

COURSE DESCRIPTION: The primary goal of this course is that students develop the ability to communicate in Spanish at the intermediate-high level. To this end, the course will be conducted entirely in Spanish, and students will be expected to speak only Spanish in class. The content of the course (primarily authentic Spanish-language literature) will seek to stimulate communication about relevant cultural topics (e.g., the Spanish Civil War). Additionally, students will study more complex grammatical structures so that they possess the linguistic resources necessary for communication at an advanced level. This course is the equivalent of a third-year college course and thus prepares students for the Advanced Placement Spanish Language Exam as well as to continue studying Spanish at the postsecondary level.

Character in Action - As You Register

PERSEVERENCE – set and pursue worthy academic objectives; hang in there when you struggle with a concept, be patient.

Technology and Engineering Education Curriculum Flow Chart



TECHNOLOGY AND ENGINEERING EDUCATION

Any of these courses will meet the vocational course requirement.

Classes in the Technology and Engineering Education area can help train students with entry level job skills, prepare students for technical school programs, or prepare students with the practical, hands-on experiences for students planning on pursuing four-year degrees. Female students are encouraged to explore the non-traditional careers available in the technology education department.

The Automotive Youth Education System (AYES) is an opportunity for our students to take classes at school as well as work on the job site with a mentor. This program allows students to gain experience, earn a wage and advance academic standing. It is highly recommended that students start their automotive courses with Automotive Technology their sophomore year to be able to complete their AYES experience.

The Woods Technology program is teaming with local and national industries through WoodLinks to provide certification to students for entry level employment in the Wood industry. Students receive WoodLink certification by successfully completing a comprehensive exam at the conclusion of coursework. To be eligible, students must be enrolled in each of the following classes: Woodworking Techniques, Wood Products-Custom Cabinetmaking, and Wood Products-Manufacturing.

Course Title	Open To	Credit
Technology Skills	9-10	.50
Technology Applications	9-10	.50
CONSTRUCTION TECHNOLOGY		
Woodworking Techniques	10-12	.50
Wood Products - Custom Cabinetmaking	10-12	.50
Wood Products - Manufacturing	11-12	.50
Vocational Building Construction	12	2.00
Architectural Design I	10-12	.50
Architectural Design II	10-12	.50
Home Maintenance	10-12	.50
MANUFACTURING TECHNOLOGY		
Manufacturing Tooling	10-12	.50
Welding and Fabrication	10-12	.50
Applied Manufacturing	11-12	.50
Vocational Manufacturing Processes	12	2.00
Manufacturing Youth Apprenticeships	11-12	1.00
Outdoor Technologies	10-12	.50
COMMUNICATION TECHNOLOGY		
Graphic Communication	10-12	.50
Electronic Communications	10-12	.50
Applied Communications	11-12	.50
Application of Communication Systems	11-12	1.00
Computer Hardware Basics	10-12	.50
Computer Repair	10-12	.50
TRANSPORTATION TECHNOLOGY		
Automotive Technology	10-12	.50
Brakes, Steering & Suspension	10-12	.50
Engine Performance & Electronics	10-12	.50
Advanced Automotive Technology	12	2.00
Automotive Youth Apprenticeship	12	1.00
Small Engines	9-10	.50
Basic Vocational Skills	9-12	.50

Please see the course sequence flow chart on page 42.

Course offered in 2013-2014 and 2015-2016:
Application of Communication Systems

Course offered in 2012-2013 and 2014-2015:
Vocational Manufacturing Processes

Fee: There will be a \$10.00 maximum registration fee for all students taking classes annotated by an asterisk (*).

TECHNOLOGY SKILLS

½ Credit Semester Grades 9-10

PREREQUISITE: None

COURSE DESCRIPTION: Technology Skills is a course designed to introduce and develop basic technological skills for students enrolled in the Technology Education Department. This is a preliminary course for students to take before progressing through the courses offered in Manufacturing, Transportation, Communications or Construction. Information, techniques and skills will be presented and applied to help students start their progression through their chosen technological area or areas. Students will be introduced to CAD. Electricity/Electronics, Video, Printing, CNC, Welding, Wall Framing, and Basic Engines.

TECHNOLOGY APPLICATIONS

½ Credit Semester Grades 9-10

PREREQUISITE: Technology Skills

COURSE DESCRIPTION: Technology Activities is a course that follows Technology Skills and allows students to have further experiences in the areas of Manufacturing, Construction, Communications and Transportation. Skills and information that have been developed in Technology Skills will be applied and enhanced with deeper activities. Problem solving skills will be stressed as students apply a problem solving technique to their projects and activities. Students will expand upon the knowledge gained in the areas introduced in Technology Skills such as PLC's (Programmable Logic Controllers), Micro-Bot's (Robots), Manufacturing Prototypes, Structural Engineering and Alternative Energy Powered Vehicles.

CONSTRUCTION TECHNOLOGY

*WOODWORKING TECHNIQUES

½ Credit Semester Grades 10-12

PREREQUISITE: Technology Skills

COURSE DESCRIPTION: Students will be introduced to the modern materials and processes associated with the wood products industry through a hands-on approach. Student projects are designed to teach proper use of the power equipment along with an assortment of hand tools. Students will also program the CNC router to demonstrate technological advances in the wood products industry.

*WOOD PRODUCTS – CUSTOM CABINET MAKING

½ Credit Semester Grades 10-12

PREREQUISITE: Woodworking Techniques

COURSE DESCRIPTION: Students will be involved with building residential cabinetry. The focus will be placed on custom cabinetry in an attempt to develop proficiency in a cabinet shop. This course is designed to expand the student's knowledge of modern machine operation and techniques, while providing practical experience in wood technology, joinery and finishing procedures.

WOOD PRODUCTS – MANUFACTURING

½ Credit Semester Grades 11-12

PREREQUISITE: Woodworking Techniques

COURSE DESCRIPTION: Building on the skills taught in previous courses, the student is taken beyond the one-off project creation concept into the realm of producing a product for the marketplace. More emphasis will be placed on design theory and practice, estimating, mass production, craft, marketing, and entrepreneurship. The course will attempt to emulate current trends in the industry. Students will utilize team dynamics to solve problems and make decisions. Students will develop contacts with the wood products industry in an effort to create awareness and future employment opportunities.

*VOCATIONAL BUILDING CONSTRUCTION

2 Credits Year Long Grade 12

PREREQUISITE: Two construction courses, have received at least a C in all technology classes, and received consent from the instructor.

COURSE DESCRIPTION: Students will participate in the on-site development and construction of a residential unit. Included will be design, cost analysis, job management, and present day construction methods. There will be an opportunity to work with the subcontractors to install the mechanical systems of the unit.

ARCHITECTURAL DESIGN I

½ Credit Semester Grades 10-12

PREREQUISITE: None

COURSE DESCRIPTION: Students will be introduced to the diverse and complex field of planning and designing single family residences. An introduction to basic drafting procedures is presented, along with a detailed explanation of how to understand and draw architectural plans. Computer-aided design will be shown along with career opportunities in architecture and related fields.

ARCHITECTURAL DESIGN II

½ Credit Semester Grades 10-12

PREREQUISITE: Architectural Design I

COURSE DESCRIPTION: Students will work with the diverse and complex field of planning, designing, financing, and engineering single and multifamily residences along with an introduction to commercial design. Basic drafting procedures and equipment will be reviewed, along with a detailed study of CAD and design presentation.

***HOME MAINTENANCE**

½ Credit Semester Grades 10-12

PREREQUISITE: None

COURSE DESCRIPTION: Home Maintenance deals with the servicing and altering of a structure. Students will be led through a large variety of activities dealing with common problems found in, but not limited to, residential construction. The activities will give an introduction to structure repair, mechanical systems alteration and repair, energy standards, along with decorating and refinishing.

MANUFACTURING TECHNOLOGY

***MANUFACTURING TOOLING TECHNOLOGY**

½ Credit Semester Grades 10-12

PREREQUISITE: Technology Skills

COURSE DESCRIPTION: This course provides students with an insight into the tooling and equipment operations required in manufacturing. Specifications will be determined for various tools, parts, and products. Students will utilize appropriate machine tools, techniques, and measuring methods to produce them. Students will gain experience in the use of traditional machine tools and in computer aided machining and computer numerically controlled equipment.

WELDING AND FABRICATION

½ Credit Semester Grades 10-12

PREREQUISITE: Technology Skills

COURSE DESCRIPTION: Students will gain skills in the oxy-acetylene, arc, MIG and TIG welding processes. Safety will be stressed as students will be working with materials in equipment in the welding area. Layout and fabrication skills will be developed as students complete selected projects.

***APPLIED MANUFACTURING**

½ Credit Semester Grades 11-12

PREREQUISITE: Manufacturing Tooling Technology OR Welding and Fabrication

COURSE DESCRIPTION: An opportunity for students to expand and build upon the knowledge and skills they have developed in Welding and Fabrication or Tooling Technologies. The class will allow students to choose from and concentrate their skill development in welding, machining, or automated/CAM machining areas. As a group, the class will develop a manufacturing enterprise to design, manage, produce and market a product. Competencies developed may be applied toward MATC advanced standing or youth apprenticeship credentials.

***VOCATIONAL MANUFACTURING PROCESSES**

2 Credits Year Long Grade 12

PREREQUISITE: One advanced manufacturing course and/or approval of instructor

COURSE DESCRIPTION: This course allows students to develop vocational skills in one or more of the manufacturing areas of design, management, engineering, or materials processing. Students will identify career goals and educational requirements for their desired positions. Skills associated with career pursuits will be identified and developed for each student. Field trips and career simulations will be arranged to acquaint students with various educational opportunities and assorted types of manufacturing enterprises.

MANUFACTURING YOUTH APPRENTICESHIPS

1 Credit Year Long Grades 11-12

.50 credit per semester for courses junior/senior year
.50 credit per 180 hours of work experience for junior/ senior year

PREREQUISITE: Junior standing, identified manufacturing career major

If the student is serious about a career in the manufacturing industry then this youth apprenticeship is for them. The program involves the student being enrolled in the following courses: Manufacturing Tooling and/or Welding Fabrication and/or Applied Manufacturing.

The program involves 450 hours of paid work experience over the year with a mentor/trainer. Selection for this program is done through an interview process by the coordinator, instructor and employer. If interested the student must contact the manufacturing instructor for an application form and to be initially enrolled.

OUTDOOR TECHNOLOGIES

½ Credit Semester Grades 10-12

PREREQUISITE: None

COURSE DESCRIPTION: Outdoor Technology is a course inter-relating the areas of technology. (Construction, Transportation, Manufacturing, and Communications) with studies and activities in environmental awareness, management and protection of natural resources. Activities will involve studies of environmental impacts, recycling applications, resource appreciation, and outdoor product development and evaluation.

COMMUNICATION TECHNOLOGY

GRAPHIC COMMUNICATION

PREREQUISITE: Technology Skills ½ Credit Semester Grades 10-12

COURSE DESCRIPTION: Students will develop an understanding of the processes, industrial applications and the importance of graphic communication. This course will provide hands-on instruction in the use of materials and equipment used to layout and reproduce graphic documents.

***ELECTRONIC COMMUNICATIONS**

PREREQUISITE: Technology Skills ½ Credit Semester Grades 10-12

COURSE DESCRIPTION: Students will develop an understanding of electronic components and equipment through hands on experiments. A circuit board will be constructed and tested as students learn about electronic devices and components. A video production will be developed as students learn the planning and production processes involved.

APPLIED COMMUNICATIONS

PREREQUISITE: Electronic Communications OR Graphic Communication ½ Credit Semester Grades 11-12

COURSE DESCRIPTION: An opportunity for students to expand and build upon the knowledge and skills they have developed in Electronic Communication or Graphic Communication. Students will choose from and concentrate their skill development in circuit design and construction, video production, or printing technologies. As a class, students will work together to develop, produce and market communications products.

APPLICATION OF COMMUNICATION SYSTEMS

PREREQUISITE: Instructor/counselor approval and Applied Communications. 1 Credit Year Long Grades 11-12

COURSE DESCRIPTION: This Independent Study course will consist of activities related to the technology of communication systems. In this advanced course of study the student will contract for an in-depth study of a selected technology within the communication system. The student will participate in selected hands-on activities and complete at least one research and development project per semester.

COMPUTER HARDWARE BASICS

PREREQUISITES: None ½ Credit Semester Grades 10-12

COURSE DESCRIPTION: This course will provide students with the basic knowledge of PC hardware and applications. Fundamental electronic information will be presented and explained. Students will study the components involved in PC operations as they identify, test, and assemble them into working computers. Specifications and technical data will be researched and determined for various peripheral applications. After assembly, operating systems will be loaded into the computers and various diagnostic checks performed. This class will prepare students interested in taking the computer repair course or post-secondary education.

COMPUTER REPAIR

PREREQUISITES: Computer Hardware Basics ½ Credit Semester Grades 10-12

COURSE DESCRIPTION This course will provide students with the opportunity to expand and apply skills learned in the Computer Hardware Basics course. Students will review and strengthen their knowledge of electronics and computer concepts and components. Peripheral devices, network applications and basic trouble shooting techniques will be covered and worked with. Computer recycling will be stressed as the class repairs and rebuilds used computers into systems that could be sold at cost to interest families. Talented students may progress into a student technology assistant program with the district technology director. This course will prepare students interested in post-secondary education or employment.

TRANSPORTATION TECHNOLOGY

AUTOMOTIVE TECHNOLOGY

PREREQUISITE: Technology Skills ½ Credit Semester Grades 10-12

COURSE DESCRIPTION: The Automotive Technology course is designed to give the student a basic knowledge of the automobile engine and the maintenance required to keep the automobile safe and operating efficiently. The engine's systems will be explored and discussed. Safety is stressed for protecting those working on the vehicles, as well as for those that must use the vehicle after it has left the shop.

BRAKES, STEERING & SUSPENSION

½ Credit Semester Grades 10-12

PREREQUISITE: Automotive Technology

COURSE DESCRIPTION: The students in the Brakes, Steering & Suspension class will gain knowledge in all aspects of chassis fundamentals and chassis service work. The areas to be covered include springs, brakes, tires, wheel alignments, clutches, manual and automatic transmissions, drive axles, and two and four-wheel drive.

ENGINE PERFORMANCE & ELECTRONICS

½ Credit Semester Grades 10-12

PREREQUISITE: Automotive Technology

COURSE DESCRIPTION: A study of all automotive components and accessories with related diagnosis and trouble-shooting procedures stressed. Proper techniques and procedures for repair and maintenance of each component will be practiced and students will utilize diagnostic and specialized equipment.

ADVANCED AUTOMOTIVE TECHNOLOGY

2 Credits Year Long Grade 12

PREREQUISITE: Students must have already taken any combination of two transportation courses, received a C average in all transportation courses taken, and have instructor approval.

COURSE DESCRIPTION: This course is designed to give the student flexibility to develop his/her own course of study in transportation through contracting with the instructor. The student has great flexibility to choose the areas of transportation they wish to study. The course will have student directed learning rather than instructor directed learning. The student will develop a contract with his or her own objectives, timeline, and evaluation.

AUTOMOTIVE TECHNOLOGY YOUTH APPRENTICESHIP

1 Credit Year Long Grades 11-12

Automotive Technology Youth Apprenticeship
Level 1 and Level 2

1/2 credit per semester for classes junior/senior year

1/2 credit per 180 hours of work experience junior/ senior year

PREREQUISITE: Junior, identified automotive career major

If the student is serious about a career in the automotive industry then this youth apprenticeship is for him/her. The program involves being enrolled in Automotive Technology; Brakes, Steering & Suspension; Engine Performance and Electronics and Advance Automotive Technology either the junior or senior year. If students are enrolled in the above courses in their junior year, the senior year is enrollment in the Jefferson County AYES Automotive Technology program and being involved in the youth apprenticeship Level 2 program. The program involves 450 hours of paid work experience for a Level 1 program and 900 hours of paid work experience for a Level 2 program with a mentor/trainer. Selection for this program is done through an interview process by the coordinator, instructor and employer. If interested the student must contact the automotive instructor for an application form and to be initially enrolled.

SMALL ENGINES

½ Credit Semester Grades 9-10

PREREQUISITE: None

COURSE DESCRIPTION: The Small Engines course is designed to give the student an understanding of both the two-stroke and the four-stroke cycle engine. Through disassembly, inspection and re-assembly the student learns the basic parts and their relation to the operation of both the two- and four-stroke cycle engine.

***BASIC VOCATIONAL SKILLS**

½ Credit Semester Grades 9-12

PREREQUISITE: Enrollment is limited and determined by the instructor approval.

COURSE DESCRIPTION: This course provides students with basic instruction on the necessary entry-level skills used in the Tech. Ed. Introduction courses. Students will be involved in introductory activities in Communications, Transportation, Manufacturing and Construction. Appropriate employee skills, habits and attitudes will be stressed and developed. Instructor consent is required.

AP U.S. HISTORY

1 Credit

Year Long

Grades 11-12

PREREQUISITE: B or better in U.S. History

COURSE DESCRIPTION: AP U.S. History analyzes and explores the economic, political, and social changes in America since Columbus. Student's master historical knowledge and critical analysis, build reading, writing, and communication skills, and discover how historical events have contributed to American culture. In the process, they'll learn how decisions and events of the past continue to have profound effects on the world today and how knowledge of the causes behind past events can influence future decisions. By the end of the course, students will be ready to put their factual knowledge to work by weighing evidence and interpreting problems presented by historians. The equivalent of an introductory college-level course, AP U.S. History prepares students for the AP Exam and for further study in history, political science, economics, sociology, and law.

Character in Action - As You Register

CITIZENSHIP – listen to the people explain the registration process; ask questions, provide encouragement to others, and be patient throughout the process.

Jefferson High School Offers Six Sessions of Course Selection Conferences

February 1st & 6th
To assist parents and students
in selecting the best courses for 2012-2013.

Class Meetings will be at 4:00, 5:00 and 6:00 on both nights

Freshman (2016) and **Sophomore** (2015) class meetings will be in the **Auditorium**
Junior (2014) and **Senior** (2013) class meetings will be in the **New Library**

AP parent/student information meeting at 6:30 p.m. in the New Library.

**Please review this booklet and
bring it with you for your conference.**

Jefferson High School
700 W Milwaukee St
Jefferson WI 53549

NONPROFIT ORGANIZATION
US POSTAGE PAID
JEFFERSON, WI
PERMIT NO. 252