

Marshall High School

Course Catalog



MISSION STATEMENT

The Mission of Marshall Schools is to

- Help students develop an appropriate plan for post-secondary success.
- Provide students with essential curricular experiences that prepare them for college and / or the workforce.
- Help students develop 21st Century Life Skills, become Lifelong Learners, and understand the value of Good Character and Service.

2015-2016

Marshall Community Unit School District #C-2

“The Accent is on Excellence”

PHILOSOPHY AND OBJECTIVES
OF THE
MARSHALL COMMUNITY UNIT DISTRICT #C-2

The Marshall Community Unit School District #C-2 has a basic responsibility to provide every individual student an equal access to optimum personal development so that each individual student may acquire the knowledge, skills, habits, and values that will enable him to contribute to a free, democratic society in a responsible, productive and humane way.

OBJECTIVES

1. The Marshall schools should provide opportunities that help students master the basic skills in reading, communication, computation, and problem solving.
2. The Marshall schools should provide an environment that will aid students, parents, and members of the school community to demonstrate a positive attitude toward learning.
3. The Marshall schools should provide students with experiences which result in good habits and attitudes associated with citizenship responsibilities in a democratic society.
4. The Marshall schools should provide opportunities for students to express fully their creative abilities.
5. The Marshall schools should provide the atmosphere and experiences that will foster a feeling of self worth in all students.
6. The Marshall schools should provide the experiences that will enable students to adapt to a rapidly changing world.
7. The Marshall schools should provide the atmosphere and environment that enable students to have an appreciation for and a positive attitude toward persons and cultures that are different from their own.
8. The Marshall schools should provide every student with opportunities in training for the world of work.

The Philosophy and Objectives of the Marshall Community Unit Schools District C-2 state the purpose of this school system. This Course Catalog has been developed to help fulfill the Philosophy and Objectives.

Nondiscrimination Statement

Marshall Community School District C-2 does not discriminate based on race, color, national origin, gender, or disability.

Introduction

This Course Catalog has been prepared to assist students and parents in becoming better informed about the content of specific courses and to aid in the decision-making process during registration. It is important to study the information in this book carefully so that each student can choose realistic and appropriate courses.

Registration

Each student will receive registration blanks along with this Course Catalog. The registration sheets will list the classes that are available to students at their grade level. The registration sheets will have a section of required courses and elective courses. Knowing that students have a variety of academic needs, many school requirements have a selection of courses taught at different levels. The recommended level of a required course will be marked on the registration blank. For example - a student is required to take English as a freshman; however, there are four English classes from which to choose (Everyday English, Vocational English I, English I, and College English I). The course that is recommended by your teacher will be indicated. This recommendation for the level of class the student is to take is based on the student's previous success in the subject area and standardized test scores. If a student or parents feel the level of class is not an appropriate one, they should consult the counselor for further information.

General Regulations

1. No student will be allowed to take less than four academic courses each semester (P.E., Band and Driver's Education are not considered to be academic courses.) **Because of graduation requirements, it is recommended that a student enroll in at least six and one half academic courses each semester.**
2. Each student should choose his subjects carefully. The classes you select during spring registration are the classes you will be enrolled in for the next fall semester.
3. Credit for a class will be given on a semester basis. If you fail a subject that is required, you must make up the semester or semesters failed.
4. It is important to study carefully the curricular patterns that relate to preparation for college and different vocational areas. Taking the appropriate courses during high school will enhance your chances for success on college entrance exams or in your chosen vocational area(s).

Vocational Education Training Nondiscrimination Statement

Vocational opportunities will be offered by Marshall High School without regard to race, color, national origin, gender, or disability.

Statewide Admission Requirements for All Illinois Public Colleges and Universities

The Board of Higher Education has established statewide minimum admission standards for public colleges and universities in Illinois. The following high school subjects will be required of freshmen entering community college transfer programs and public universities.

MINIMUM REQUIREMENTS

<u>Units</u>	<u>Subjects</u>
4	English (emphasizing written and oral communication and literature)
3	Social Studies (emphasizing history and government)
3	Math (introductory through advanced algebra, geometry, trigonometry)
3	Science (laboratory science)
2	Foreign language, music, vocational education or art

Individual public universities and community colleges may have other subject requirements in effect, as well as other requirements involving test scores and grade point averages. Applicants must contact each college or university individually for details about all of its requirements.

Admission requirements for private colleges and universities vary. Each must be contacted separately for information about its requirements. Your counselor will have many resources related to admission requirements for both private and state-funded schools.

The Board of Higher Education has adopted minimum subject requirements for public colleges and universities in an effort to help high school students improve their academic preparation for baccalaureate degree programs. Students who have not taken the required subjects but wish to enter a baccalaureate degree program may be admissible to public colleges and universities on a provisional basis. Each institution will determine policies for provisional admission individually. Such policies will include requirements to make up preparation not completed in high school or provisions for opportunities to demonstrate competency in the required subject areas. Making up requirements may be in the form of paying to take college classes in the deficient areas but receiving no college credit for the course.

Grade Weighted Classes

The grade-weighted classes have a * next to them on the registration form. For students who transfer to Marshall High School, only classes weighted by Marshall High School or which have been taken as Advanced Placement classes will be accepted as grade-weighted classes. The classes that are weighted are as follows:

English

College English I, II, III, IV

Science

Bio-Science, Chemistry, Physics, Anatomy/Physiology, Advanced Chemistry

Math

Honors Geometry, Algebra II, College Algebra with Trigonometry, Finite Math, Statistics, Calculus

Foreign Language

Spanish III, Spanish IV, German III, German IV

Health

Health Occupations

Determination of Valedictorian(s) and Weighted Grade Point Averages

The person who has the highest weighted grade point average regardless of the number of grade-weighted classes taken will determine the valedictorian of the class.

The formula to determine a student's weighted grade point average is:

$$\text{Number of weighted courses} \times .02 + \text{non-weighted grade point average}$$

By taking more weighted and non-weighted classes, a student has a better opportunity to raise their weighted grade point average than a student who takes fewer weighted and non-weighted classes.

**Curriculum Pattern Recommended in
Math, Science and English**

Math

College Bound (math or science-related field)

Algebra I (8th Grade)

Honors Geometry

Algebra II

College Algebra with Trigonometry

Finite Math/Statistics/Calculus

College Bound (general)

Algebra I

Plane Geometry

Algebra II

College Algebra with Trigonometry

Vocational

Algebra IA

Plane Geometry A

Algebra IB

Science – All freshmen will complete one year of Earth/ Astronomy Science. As sophomores, they will complete one year of Physical Science. As juniors, they will complete one year of Life Science.

College Bound – Science Electives (math or science-related field)

Chemistry

Adv. Chemistry

Physics

Anatomy/Physiology

Bio-Science

College Bound – Science Electives (general)

Chemistry

Adv. Chemistry

Physics

Anatomy/Physiology

Bio-Science

Environmental Biology

Forensic Science

Physical Science Applications in Ag

Biological Science Applications in Ag

Vocational/ Technical– Science Electives

Physical Science Applications in Agriculture

Biological Science Applications in Agriculture

Forensic Science

Chemistry

Bio-Science

Environmental Biology

English

College Bound

College English I or English I
 College English II or English II
 College English III or English III
 College English IV or English IV

(English Electives)

Bible as Literature
 Spelling and Vocabulary
 Contemporary and Classical Literature
 Speech

Special Needs Students -Additional classes are available in English and Math for students who are in need of remediation and/or students with Individual Educational Plans. These courses include:

Vocational English I, II, III, IV
 Basic Math
 Vocational Algebra IA
 Vocational Geometry
 Vocational Algebra IB
 All classes taught in the Cross-Categorical Class

Special Note to Freshman Parents about Career and Technical Education Class Offerings

The Carl D. Perkins Vocational and Applied Technology Education Act of 2006 provides financial assistance to the State of Illinois for career and technical education programs. The Perkins Act mandates that every student and his/her parent or guardian be informed of available career and technical education courses before registering for the ninth grade.

Marshall High School offers many programs for career and technical education. These programs can provide your son/daughter with important life skills and training.

This Course Catalog has a listing of the career and technical education courses available at Marshall High School. Please note that many courses require a pre-requisite or must be taken in sequential order.

If you would like any further information regarding these career and technical education courses, please contact our school counselor at 826-2395. Further information can also be obtained during freshman orientation.

Career and Technical Education Recommended Course Sequences

The following course sequences are recommended for students to follow when preparing to pursue a particular vocation upon graduation from high school. Some vocations listed below require students to continue to pursue their preparation at a college or vocational/technical school before entering the job world.

Agriculture

Agriculture Mechanics and Technology

Introduction to Agricultural Industries
 Agricultural Science
 Agricultural Mechanization and Technology
 Agribusiness Management
 Biological Science Applications in Ag
 Physical Science Applications in Ag
 Horticulture

Business

Accounting

Computer Concepts
 Word
 Excel
 Web Page Design
 Accounting I
 Accounting II
 Business Math

Information Processing, Secretarial

Computer Concepts
 Word
 Excel
 Web Page Design
 Desktop Publishing/Multimedia Authoring I & II
 Accounting I
 Accounting II
 Business Math

Product Marketing Operations

Computer Concepts
 Word
 Excel
 Web Page Design
 Desktop Publishing/Multimedia Authoring I & II
 Entrepreneurship
 Accounting I
 Accounting II
 Business Math

Industrial Technology

Construction Trades

Production
 Transportation
 Beginning Drafting
 Energy Utilization
 Beginning Construction
 Building Trades

Drafter/CAD Drafter

Production
 Transportation
 Beginning Drafting
 Energy Utilization
 Drafting/CAD I
 Drafting/CAD II

Electronics Occupations

Production
 Transportation
 Beginning Drafting
 Energy Utilization
 Electronics

Transportation Occupations

Production
 Transportation
 Beginning Drafting
 Energy Utilization
 Auto Mechanics

Manufacturing Occupations

Production
 Transportation
 Beginning Drafting
 Energy Utilization
 Welding Tech I
 Welding Tech II
 Manufacturing Skills

Small Engine Mechanics

Production
 Transportation
 Beginning Drafting
 Energy Utilization
 Small Engines
 Auto Mechanics

Family and Consumer Science**Work and Family Studies**

Introduction to Family and Consumer Science
 Foods and Nutrition I
 Foods and Nutrition II
 Parenting
 Clothing and Textiles I

Foods, Nutrition, and Wellness Studies

Introduction to Family and Consumer Science
 Foods and Nutrition I
 Foods and Nutrition II
 Commercial Foods/Catering I
 Commercial Foods/Catering II

Health Occupations

Health Occupations

Articulation with Lake Land College

Articulated classes are dual credit courses. Students who enroll in these classes may receive credit for high school graduation and college. Lake Land College determines the curriculum. An additional fee for books will be charged for college credit. These classes include Bio-Science, Desktop Publishing I & II, College Algebra with Trigonometry, Finite Math, Statistics, Auto, Small Engines, Welding, Manufacturing Skills and Health Occupations.

Class Schedule Changes

The classes that you select in the spring and that are confirmed on your tentative schedule are the classes you will be enrolled in for the fall. Schedule changes will only be allowed in extenuating circumstances when a student withdraws from a class to enroll in a study hall. Withdrawal from a class to enroll in a study hall requires a parent note if completed within the first two weeks of school and guidance counselor, teacher, administrator, and parent permission up to five weeks into the semester. Only one study hall per semester is allowed. No class to study hall changes will be permitted after the fifth week of a semester, except for disciplinary situations. It is important that you consult with your guidance counselor, teachers, and parents when making your course selections.

Class Level Changes

The classroom teacher may initiate changes in the level of class in which a student is enrolled. For example if College English I is too difficult for a student, the student may be moved to English I. Any level changes should be made by the end of the first nine weeks and will be done only with the permission of the parent, counselor, and principal.

their individual educational plan (IEP).

Additional class work may be required by the district for students who are identified as needing intensive remediation based on their performance on the 8th grade PARCC testing, high school PARCC testing, or their cognitive abilities scores. Special Education students would receive remediation services as part of their IEP with the special education instructor.

Early Graduation

Early graduation requests will only be honored under extenuating circumstances for students who will complete their graduation requirements at the end of seven semesters of high school attendance. Students must not expect early graduation requests to be routinely granted. In order to request early graduation, a student must meet the following criteria:

1. Amass all required credits with the exception of physical education by the close of the seventh semester of high school and have demonstrated responsible attendance and behavior.
2. Provide the building principal, prior to the beginning of the seventh semester of high school attendance, a letter requesting early graduation. In the letter, the student must indicate the reason(s) for requesting early graduation. Acceptable reasons for granting early graduation must provide specific extenuating circumstances that necessitate an early graduation request to be granted (e.g.; illness, disability, family consideration).

School activities of midterm graduates cease at the time of graduation. Early graduates may participate in regular spring commencement activities.

Driver's Education Enrollment

For a student to enroll in a Driver's Education class, the student must either have passing grades in at least eight courses during the previous two semesters or receive a waiver of the requirement from the local superintendent of schools.

Correspondence Courses

Students may complete two credits worth of correspondence courses after the class in which they entered high school has graduated. These credits may be applied toward graduation.

College Courses

A student who successfully completes community college courses may receive high school credit provided:

- 1) The student is a senior in good academic standing;
- 2) The course is not offered in the high school curriculum;
- 3) The course is approved in advance by the student's guidance counselor and the High School Principal; and
- 4) The student assumes responsibility for all fees.

Certificate of Completion

Any student with an Individualized Education Plan who has completed four years of high school may participate in the graduation ceremony and receive a "Certificate of Completion" if the student's individualized education program prescribes special education, transition planning, transition services, or related services beyond the student's four years of high school.

Class Assignment

- A student who enters any school year with
- 4.5 or fewer credits will be considered a freshman
 - 5 – 9.5 credits will be considered a sophomore
 - 10 – 16 credits will be considered a junior
 - 16.5 – 26 credits will be considered a senior

Marshall High School Curriculum

Freshmen Required Courses (Prerequisites in parentheses)

English

College English I – two semesters (B in junior high English)
 English I – two semesters
 Vocational English I – two semesters (IEP)
 Everyday English – two semesters (IEP)

Mathematics

Honors Geometry – two semesters (Algebra I)
 Plane Geometry – two semesters (Algebra I)
 Algebra I – two semesters
 Algebra IA – two semesters
 Vocational Algebra IA – two semesters (IEP)
 Basic Math – two semesters (IEP)

Science

Earth Science/Astronomy – two semesters
 Vocational Earth Science/Astronomy- two semesters (IEP or teacher recommendation)

Physical Education (May have Driver's Education for one quarter)

Physical Education – one semester/Health – one semester

Business

Computer Concepts – one semester

Freshman Electives – Choose seven semesters of electives

Introduction to Agricultural Industry – two semesters
 Art I – two semesters
 Bible as Literature I – one semester
 Bible as Literature II – one semester
 Contemporary and Classical Literature I – one semester
 Contemporary and Classical Literature II – one semester
 Spelling and Vocabulary – one semester (Enrolled in College English)
 Spanish I – two semesters (B or better in junior high school English and enrolled in English I or College English)
 German I – two semesters (B or better in junior high school English and enrolled in English I or College English)
 Introduction to Family and Consumer Science – one semester
 Clothing and Textiles I – one semester (Intro. to Family and Consumer Science)
 Foods and Nutrition I – one semester (Intro. to Family and Consumer Science)
 Career Exploration – one semester
 Computer Applications- Excel – one semester (Computer Concepts)
 Computer Applications- Web Page Design – one semester (Computer Concepts)
 Beginning Drafting– one semester
 Energy Utilization – one semester
 Production – one semester
 Transportation – one semester
 Concert and Marching Band – two semesters
 Chorus – two semesters

Geography – one semester
 Study Hall – one or two semesters
 Intro. to CWT 1 – two semesters (must have an IEP)

Sophomores Required Courses (Prerequisites in Parentheses)

English

College English II – two semesters (B or better in College English I)
 English II – two semesters
 Vocational English II – two semesters (IEP)
 Everyday English – two semesters (IEP)

Mathematics

Algebra II – two semesters (Plane Geometry)
 Math Concepts – two semesters (Algebra I and Plane Geometry)
 Honors Geometry – two semesters (Algebra I)
 Plane Geometry – two semesters (Algebra I)
 Plane Geometry A- two semesters (Algebra I or IA)
 Algebra I – two semesters
 Algebra IA – two semesters
 Vocational Algebra IA – two semesters (IEP)
 Vocational Geometry – two semesters (IEP)
 Basic Math – two semesters (IEP)

Science

Physical Science – two semesters
 Vocational Physical Science- two semesters (IEP or teacher recommendation)

Physical Education – two semesters

Driver's Education (May be taken in place of one quarter of P.E.)

Social Science

U.S. History – two semesters
 American History – two semesters (IEP or counselor's recommendation)

Sophomore Electives (Choose six semesters of electives)

Introduction to Agricultural Industry – two semesters
 Agricultural Science – two semesters (Introduction to Agricultural Industry)
 Physical Science Applications in Agriculture- one semester
 Art I – two semesters
 Art II – two semesters (Art I with a C or better)
 Business Math – two semesters
 Computer Applications – Word – one semester (Computer Concepts)
 Computer Applications – Excel – one semester (Computer Concepts)
 Computer Applications – Web Page Design – one semester (Computer Concepts)
 Contemporary and Classical Literature I – one semester
 Contemporary and Classical Literature II – one semester
 Bible as Literature I – one semester
 Bible as Literature II – one semester
 Spelling and Vocabulary – one semester (Enrolled in College English)
 Speech – one semester

Spanish I – two semesters (B or better in freshman English)
 Spanish II – two semesters (Spanish I with a C or better)
 German I – two semesters (B or better in freshman English)
 German II – two semesters (C or better in German I)
 Introduction to Family and Consumer Science – one semester
 Clothing and Textiles I – one semester (Intro. to Family and Consumer Science)
 Foods and Nutrition I – one semester (Intro. to Family and Consumer Science)
 Foods and Nutrition II – one semester (Foods and Nutrition I)
 Career Exploration – one semester
 Intro. to CWT 1 – two semesters (must have an IEP)
 Beginning Drafting – one semester
 Drafting/CAD I- two semesters (Beginning Drafting)
 Electronics – two semesters
 Energy Utilization – one semester
 Production – one semester
 Transportation – one semester
 Concert and Marching Band – two semesters
 Chorus – two semesters
 Geography – one semester
 Chemistry- two semesters (Algebra I)
 Anatomy and Physiology- two semesters (Physical Science taken concurrently)
 Forensic Science- one semester
 Environmental Biology- one semester
 Study Hall – one or two semesters

Juniors Required Courses (Prerequisites are in Parentheses)

English

College English III – two semesters (B in College English II)
 English III – two semesters
 Vocational English III – two semesters (IEP)
 Everyday English – two semesters (IEP)

Mathematics

College Algebra with Trigonometry – two semesters (Algebra II)
 Algebra II – two semesters (Plane Geometry)
 Math Concepts – two semesters (Algebra I and Plane Geometry)
 Algebra IB – two semesters (Plane Geometry A)
 Plane Geometry – two semesters (Algebra I)
 Plane Geometry A- two semesters (Algebra I or IA)
 Algebra I – two semesters
 Algebra IA – two semesters
 Vocational Algebra IB – two semesters (IEP)
 Basic Math – two semesters (IEP)

Science

Life Science – two semesters
 Vocational Life Science – two semesters (IEP or teacher recommendation)

Social Studies

Civics – one semester/Economics – one semester

American Government – one semester/Business Concepts – one semester
(IEP or recommendation of counselor)

Physical Education – two semesters**Junior Electives (Choose 8 semesters)**

Introduction to Agricultural Industry – two semesters

Agricultural Science – two semesters (Introduction to Agricultural Industry)

Agricultural Business Management or Mechanization and Technology– two semesters (Agricultural Science)

Biological Science Applications in Agriculture – one semester

Physical Science Applications in Agriculture – one semester

Horticulture – two semesters

Art I – two semesters

Art II – two semesters (Art I with a C or better)

Advanced Art – two semesters (Art II with a B or better)

Business Math – two semesters

Accounting I – two semesters

Computer Applications – Word – one semester (Computer Concepts)

Computer Applications – Excel – one semester (Computer Concepts)

Computer Applications – Web Page Design – one semester (Computer Concepts)

Business Law – two semesters

Entrepreneurship – two semesters

Desktop Publishing/Multimedia Authoring I (Computer Concepts, 2.0 GPA)

Work Ethics & Career Exploration – one semester

CWT Class- two semesters (Must have an IEP)

Bible as Literature I – one semester

Bible as Literature II – one semester

Contemporary and Classical Literature I – one semester

Contemporary and Classical Literature II – one semester

Speech – one semester

Spanish I – two semesters (B or better in sophomore English)

Spanish II – two semesters (Spanish I with a C or better)

Spanish III – two semesters (Spanish II with a C or better)

German I – two semesters (B or better in sophomore English)

German II – two semesters (C or better in German I)

German III – two semesters (C or better in German II)

Introduction to Family and Consumer Science – one semester

Clothing and Textiles I – one semester (Intro. to Family and Consumer Science)

Foods and Nutrition I – one semester (Intro. to Family and Consumer Science)

Foods and Nutrition II – one semester (Foods and Nutrition I)

Commercial Foods/Catering I – two periods, one semester (Foods and Nutrition II)

Commercial Foods/Catering II – two periods, one semester (Commercial Foods/Catering I)

Parenting – one semester

Electronics – two semesters

Small Engines – two periods, both semesters

Beginning Construction – two semesters (Production)

Drafting/CAD I – two semesters (Beginning Drafting)

Drafting/ CAD II- two semesters (Drafting/CAD I)
 Concert and Marching Band – two semesters
 Chorus – two semesters
 Chemistry – two semesters (Algebra I)
 Anatomy and Physiology – two semesters (Physical Science)
 Bio-Science- two semesters (Chemistry or taken concurrently)
 Environmental Biology – first semester
 Forensic Science – one semester
 Physics- two semesters (College Alg. w/ Trig.)
 Geography – one semester
 Sociology – one semester
 Psychology- one semester
 Historical Problems – one semester
 Western Civilization I – one semester
 Western Civilization II – one semester
 Study Hall – one or two semesters

Seniors Required Courses (Prerequisites are in Parentheses)

English

College English IV – two semesters (B or better in College English III)
 English IV – two semesters
 Vocational English IV – two semesters (IEP)
 Everyday English – two semesters (IEP)

Physical Education – two semesters

Senior Electives (Choose 12 semesters to complete the schedule)

Introduction to Agricultural Industry – two semesters
 Agricultural Science – two semesters (Introduction to Agricultural Industry)
 Agricultural Business Management or Mechanization and Technology – two semesters (Agricultural Science)
 Agricultural Mathematics- one semester (Intro. to Ag; Agricultural Science)
 Biological Science Applications in Agriculture – one semester
 Physical Science Applications in Agriculture – one semester
 Supervised Occupational Experience – two semesters
 Horticulture – two semesters
 Art I – two semesters
 Art II – two semesters (Art I with a C or better)
 Advanced Art – two semesters (Art II with a B or better)
 Business Math – two semesters
 Accounting I – two semesters
 Computer Applications – Word – one semester (Computer Concepts)
 Computer Applications – Excel – one semester (Computer Concepts)
 Computer Applications – Web Page Design – one semester (Computer Concepts)
 Business Law – two semesters
 Entrepreneurship – two semesters
 Desktop Publishing/Multimedia Authoring I (Computer Concepts, 2.0 GPA)
 Desktop Publishing/Multimedia Authoring II (Desktop Publishing/Multimedia Authoring I)
 CWT Class- two semesters (Must have an IEP)

Bible as Literature I – one semester
Bible as Literature II – one semester
Contemporary and Classical Literature I – one semester
Contemporary and Classical Literature II – one semester
Speech – one semester
Spanish I – two semesters (B or better in junior English)
Spanish II – two semesters (Spanish I with a C or better)
Spanish III – two semesters (Spanish II with a C or better)
Spanish IV – two semesters (Spanish III with a C or better)
German I – two semesters (B or better in junior English)
German II – two semesters (C or better in German I)
German III – two semesters (C or better in German II)
German IV – two semesters (C or better in German III)
Introduction to Family and Consumer Science – one semester
Clothing and Textiles I – one semester (Intro. to Family and Consumer Science)
Foods and Nutrition I – one semester (Intro. to Family and Consumer Science)
Foods and Nutrition II – one semester (Foods and Nutrition I)
Commercial Foods/Catering I – two periods, one semester (Foods and Nutrition II)
Commercial Foods/Catering II – two periods, one semester (Commercial Foods/Catering I)
Parenting – one semester
Electronics – two semesters
Small Engines – two periods, both semesters
Beginning Construction – two semesters (Production)
Building Trades/M'ville – two periods, both semesters
Welding Tech I, two periods – one semester
Welding Tech II, two periods – one semester (Welding Tech I)
Manufacturing Skills- two periods, two semesters
Auto Mechanics – two periods, both semesters (Small Engines)
Drafting/CAD I – two semesters (Beginning Drafting)
Drafting/CAD II – two semesters (Drafting/CAD I)
Math Application – two semesters (Algebra II or Math Concepts)
Algebra II – two semesters (Plane Geometry)
College Algebra with Trigonometry – two semesters (Algebra II)
Finite Math – one semester (College Algebra w/ Trig.)
Statistics – one semester (College Algebra w/ Trig.)
Calculus – 1 semester (2nd semester only, Finite Math)
Concert and Marching Band – two semesters
Chorus – two semesters
Music Theory – one semester (participation in band or chorus, or documented instrumental music lessons)
Health Occupations, two periods, both semesters
Bio-Science – two semesters (Chemistry or taken concurrently)
Chemistry – two semesters (Algebra I)
Anatomy and Physiology – two semesters (Physical Science)
Advanced Chemistry – one semester (Chemistry)
Forensic Science – one semester
Environmental Biology – first semester
Physics – two semesters (College Alg. w/ Trig)
Geography – one semester
Sociology – one semester

Psychology- one semester
 Historical Problems – one semester
 Western Civilization I – one semester
 Western Civilization II – one semester
 Study Hall – one or two semesters

DESCRIPTION OF COURSES OFFERED AT MARSHALL HIGH SCHOOL

AGRICULTURE.....

Introduction to Agricultural Industry (Full Year)

Prerequisite: Freshman standing

This introductory course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national, and international levels; and the scope and production applications. Basic concepts in animal science, plant science, soil science, horticulture, and agricultural mechanics are included. Microcomputer applications are introduced.

Agricultural Science (Full Year)

Prerequisite: Sophomore standing; Introduction to Agricultural Industries

The second-year course builds on the basic skills and knowledge gained from the introductory course. Major units of instruction include advanced plant and soil science, advanced animal science and agricultural mechanics skills necessary for maintaining and repairing equipment and/or facilities. Applied math/science skills are stressed throughout the course. Microcomputer applications are utilized as they relate to each instructional unit.

Agricultural Mechanization and Technology (Full Year)

Prerequisite: Junior standing; Agricultural Science

This course will concentrate on expanding students' knowledge and experiences with agricultural mechanization technologies utilized in the agricultural industry. Units of instruction should provide applications within the following integrated systems: Machinery and Equipment, Environmental/Natural Resources, Structures, Energy, and Industrial/Marketing. Examples of units that may be included are Design, Construction, Fabrication, Maintenance, Welding, Electricity/Electronics, Internal Combustion Engines, Hydraulics, Environmental/Natural Resources Management, and Employability Skills. Microcomputers applications are utilized as they relate to each instructional unit.

Agricultural Business Management (Full Year)

Prerequisite: Junior standing; Agricultural Science

This course is designed to develop students' skills in the areas of advanced agricultural business procedures, establishment of agricultural businesses, managing the agribusiness, financing the agribusiness, marketing and advertising, sales techniques and strategies. Product knowledge is stressed as it relates to the regional agricultural economic base.

Horticulture (Full Year)

Prerequisite: Junior standing

This course is designed to develop student knowledge and skills in the following areas: growing greenhouse crops, producing nursery crops, identifying horticultural plants, designing floral arrangements, operating a flower shop, operating a garden center and designing landscape through computer-aided design. Agribusiness units will be introduced in merchandising, advertising, and displaying horticultural products, as well as selling horticultural products and services.

Supervised Occupational Experience (Excluded from class rank/GPA)

Prerequisite: Senior standing; approved agricultural program sequence

This experience program is for students in the 12th grade. Individual students will have a minimum of one approved project or acceptable plans for doing supervised study, project record bookwork, training plans and agreements, report writing, and instructor supervision are essentials of the supervised occupational experience. Emphasis here will shift from initial planning and establishment of a SOE experience to summary and evaluation of the completed program.

ART.....**Art I** (Full Year)

Prerequisite: Freshman standing

Art I is an introduction of the basic elements of design and their relationships to all art forms. Experimentation with an appreciation of Art is gained through the exploration of various media.

Art II (Full Year)

Prerequisite: Sophomore standing; Art I with C or better, instructor approval

Processes and media introduced in Art I are further explored. An introduction to the history of Art and its relationship to modern man are discussed.

Advanced Art (Full Year)

Prerequisite: Junior/Senior standing; Art II/ Art III with B or better, instructor approval

This course does advanced work in the various Art forms and materials explored in previous Art courses. There is extensive study in Art History and Appreciation with textbook, films, slides, and various other media used. This course provides preparation for the college-bound Art student.

BUSINESS EDUCATION.....**Accounting I** (Full Year)

Prerequisite: Junior standing; 3.0 G.P.A.; C or better in all math classes

Accounting I is a skill level course that is of value to all students pursuing a strong background in business, marketing, and management. This course includes planned learning experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying, and maintaining numerical data involved in financial and product control records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision-making. Accounting computer applications are integrated throughout the course where applicable. In addition to stressing basic fundamentals and terminology of accounting, instruction provides initial understanding of the preparation of budgets and financial reports, operation of related business machines and equipment, and career opportunities in the accounting field. Processing employee benefits may also be included. Practice sets with business papers may be used to emphasize actual business records management.

Business Concepts (1 semester)

Prerequisite: Junior standing, graduation requirement

Learning experiences focus on the understandings and skills needed to make decisions about the use of resources and prevention strategies that contribute to an improved quality of life. The course content includes the following duty areas: utilizing resources and consumer information by applying goal-setting and decision-making skills; evaluating use of resources to meet social, physical and psychological needs; maintaining health standards by applying safety information; applying consumer rights and responsibilities in the marketplace; accomplishing mutual goals by utilizing human resources; and analyzing resource/consumer management skills for decisions. Business Concepts fulfills the consumer education requirement for graduation.

Business Law (Full Year)

Prerequisite: Junior standing

The areas of communication, work ethics, teamwork, problem solving, and critical thinking will be addressed. In addition, there is an introduction to legal proceedings as they relate to business.

Business Math (Full Year)

Prerequisite: Sophomore standing, can be used as a 4th or additional Math credit

Students will develop and improve basic math skills. They will be introduced to practical applications that develop critical-thinking skills such as bank records, purchasing and pricing merchandise, payroll, taxes, insurance, consumer credit, and interest.

Computer Applications – Word (1 semester)

Prerequisite: Freshman standing; Computer Concepts

Students will learn the ins and outs of using Microsoft Word to prepare them for classroom and work related situations. Students will develop advanced skills and upon completion, the student should be able to (1) cite reports quickly and accurately (2) format documents with tabbed columns, sections, tables, columns, graphics, and charts (3) create fill-in forms (4) automatically add outlines, indexes and tables of contents.

Computer Applications – Excel (1 semester)

Prerequisite: Freshman standing; Computer Concepts

Students will develop advanced skills using Excel. Upon completion, the student should be able to (1) work with formulas and functions, (2) manage workbooks, (3) automate worksheet tasks, (4) use lists, and (5) analyze data and identify patterns and trends using pivot tables, lookup tables, goal seek function, etc.

Computer Applications – Web Page Design (1 semester)

Prerequisite: Freshman standing; Computer Concepts

Students will be introduced to web design concepts and skills. Upon completion, students should be able to (1) understand the basics of HTML. (2) create and build web sites with graphics, (3) use consistent design themes and style, (4) work with hyperlinks, (5) use their creativity and imagination, (6) use and format tables, and (7) discover how layout and navigation makes others interested in a web site.

Computer Concepts (1 semester)

Prerequisite: Freshman standing, graduation requirement

This course will begin by reviewing the Operating System (OS) of a PC and basic Windows features and techniques. The course will then embark on a semester-long study of an integrated office software application suite- including word processing, presentation, desktop publishing, and spreadsheet applications. The software being used may include the current Microsoft Office Professional Suite and Google Docs. Proper keyboarding techniques will be reinforced throughout the semester/course. By the completion of the class the students should know the basics for using the above software to: maintain an organized computer folder; add and modify printer settings; create presentations for class projects; complete reports for classes in a proper format; organize data and create graphical charts from the data; create basic desktop publishing documents.

Desktop Publishing/Multimedia Authoring I (Full Year) Dual credit available with Lake Land College

Prerequisite: Junior standing; Computer Concepts; 2.0 G.P.A Overall

This course begins with learning the concepts of using Adobe Photoshop. At the end of the first semester students will be able to: (1) identify and use the tools available in Photoshop (2) modify photographs using different Photoshop techniques. At the end of the second semester the students become familiar with the terminology of desktop publishing, and gain experience in preparing photos for print, creating an ePortfolio, and the basics of creating animation. Lake Land College determines the curriculum.

Desktop Publishing/Multimedia Authoring II (Full Year) Dual credit available with Lake Land College

Prerequisite: Senior standing; Desktop Publishing and Multimedia Authoring I

This course uses the skills learned in the prerequisite class to move on to more advanced applications. Students will be introduced to Adobe InDesign for creating Desktop Publishing projects. At the end of the first semester students will be able to: (1) identify and use the tools available in InDesign (2) create professional documents (3) develop page templates (4) animate documents. In the second semester the students will learn to make their own video, create images with Illustrator, learn advanced Photoshop techniques, and create their own ePortfolio. Lake Land College determines the curriculum.

Entrepreneurship (Full Year)

Prerequisite: Junior standing

This course is designed to relate entrepreneurial skills to business ownership tasks. Business ownership and risk taking are emphasized through the study of product distribution, techniques of selling, sales management, sales support activities, prospecting, pricing, promotion, purchasing, financing, product-service mix development, and market-information.

ENGLISH.....English I (Full Year)

Prerequisite: Freshman standing, graduation requirement

In English I, grammar is taught to equip the students with the personal tools of correct and effective written and oral communication. The reading offers a variety of good literature to strengthen and develop vocabulary and comprehension skills as well as encourage appreciation and interest.

English II (Full Year)

Prerequisite: Sophomore standing, graduation requirement

This course is a continuation of the reading, writing, speaking, spelling, and listening skills developed in English I. The structure, punctuation, and writing of the complex sentence and verbal phrases are introduced.

English III (Full Year)

Prerequisite: Junior standing, graduation requirement

This course is a continuation of the skills developed in English II. Literature emphasis is on American authors.

English IV (Full Year)

Prerequisite: Senior standing, graduation requirement

This course is a continuation of the skills developed in English III. Literature emphasis is on British authors.

Bible as Literature (1 or 2 semesters)

Prerequisite: Freshman standing

This course will provide a study of passages of verse and prose as a means of examining and appreciating the literature of the Bible, a work that has had an immeasurable influence on the western world. The course will also explore the relationship of a variety of stories, plays, and poems to the Bible. Bible as Literature I focus is on the Old Testament and Bible as Literature II focus is on the New Testament.

College English I (Full Year)

Prerequisite: Freshman standing; B or better in Jr. High English

This course is open to students who have demonstrated outstanding ability and application in their junior high English classes. Content is the same as English I, but students will be expected to probe more deeply in their reading and advance more rapidly in their writing, oral communications and grammar skills.

College English II (Full Year)

Prerequisite: Sophomore standing; B or better in College English I

This course is open to superior students who have demonstrated outstanding ability and application in College English I. Included is a study of literature by type, development of a critical approach to forms of writing and oral communication. The emphasis in writing is on organization and clear, vivid, exact expression of ideas.

College English III (Full Year)

Prerequisite: Junior standing; B or better in College English II

Students are given longer compositions and an intensive review of grammar, syntax, punctuation, and spelling. In literature, the students study selections from literary types--fiction, drama, biography, and poetry--by American authors.

College English IV (Full Year)

Prerequisite: Senior standing; B or better in College English III

This class is designed as a college preparatory course to equip the students with the essentials of English for college. The students will be given a review of sentence structure, proper punctuation, and the concept that good English is appropriate in today's society. Emphasis is on expository and creative writing with encouragement to increase vocabulary and reading skills. Course requirements include a research paper, vocabulary units, and extensive reading and study of English authors and their literature. Critical thinking is encouraged and developed in College English IV.

Contemporary and Classical Literature (1 or 2 semesters)

Prerequisite: Freshman standing

This course is not a substitute for English IV but a complement to it. It is designed for the individual who enjoys advanced reading. Its main intent is to familiarize the serious reader with a variety of contemporary and classical literature. Emphasis is on reading comprehension and analysis of selected works. This course will be especially beneficial to the college-bound student, since all required reading materials are chosen from recommended reading lists for such students. C & C Literature I is offered first semester and C & C Literature II is offered second semester.

Speech (1 semester)

Prerequisite: Sophomore standing, with upperclassmen given priority

Public speaking is a subject about which most students are nervous, and it is also one that is required in college. Students must currently be enrolled in either College English or English II, III, or IV. The focus of this course will be on gaining confidence in speaking articulately in front of an audience on a variety of topics, including narrative, persuasive, and informative.

Spelling and Vocabulary (1 semester)

Prerequisite: Freshman standing; College English

This is a semester class for college-bound freshmen and sophomores designed to improve spelling skills and to enlarge the student's vocabulary. Emphasis will be placed on learning new words through context clues, Latin prefixes, suffixes, roots, synonyms and antonyms.

Vocational English I, II, or III (Full Year)

Prerequisite: Proper grade-level standing, IEP

These are a series of courses designed to help the student improve his/her individual skills in language arts and oral communications. Emphasis is placed on improving reading and comprehension skills. The practical aspects of English grammar and writing are also stressed.

Vocational English IV (Full Year)

Prerequisite: Senior standing, IEP

These are a series of courses designed to help the student improve his/her individual skills in language arts and oral communications. Emphasis is placed on improving reading and comprehension skills. The practical aspects of English grammar and writing are also stressed. Students will also learn skills on employment, such as writing a resume, filling out a job application correctly, participating in a job interview, etc.

MODERN FOREIGN LANGUAGE.....German I (Full Year)

Prerequisite: Freshman standing; B or better in junior high English and enrollment in English I or College English

This course is the foundation of acquiring skills in the German language and an appreciation for the geography, customs, and ways of life of the German speaking countries. First-year German concentrates on elementary reading, listening, writing, and speaking skills. An emphasis is placed on interactive communication in everyday situations and deals with the vocabulary of a student's world.

German II (Full Year)

Prerequisite: Sophomore standing; C or better in German I

Second-year German concentrates on more complicated grammatical forms and proficiency in speaking, listening, reading, and writing. More aspects of German culture are dealt with through the subject matter of the textbook, as well as through outside materials. Inter-school relationships will be fostered through a pen pal in Germany.

German III (Full Year)

Prerequisite: Junior standing; C or better in German II

This class begins with a review of structures and vocabulary and then builds upon these fundamentals. Added emphasis will be placed on oral communication to express thoughts and ideas. Increased fluency will be developed through reading, writing, and conversation. The students' knowledge of the cultures of lands where German is spoken will be broadened as well. Acquiring an active vocabulary is a continuing goal.

German IV (Full Year)

Prerequisite: Senior standing; C or better in German III

German IV provides the opportunity to review, practice and integrate the structures and materials from preceding courses. This advanced class has an emphasis on more meaningful communication in written and spoken German. Students will read stories and excerpts from modern magazines and newspapers. There will be oral and written projects to assist students in fully developing their language ability and knowledge of German-speaking cultures. Special attention will be given to the Holocaust and divided Germany. Contributions and influences of Germans in the areas of music, philosophy, literature, and art will also be included.

Spanish I (Full Year)

Prerequisite: Freshman standing; B or better in junior high English and enrollment in English I or College English

This introductory course focuses on thematic units which enable students to develop vocabulary and grammar structures so that they can communicate through reading, writing, listening, and speaking at an elementary level. Attention is also given to Hispanic culture and geography.

Spanish II (Full Year)

Prerequisite: Sophomore standing; C or better in Spanish I

This course offers an expansion of skills developed during the first year. Thematic units are continued with the grammatical structures built upon as well so that students may develop both oral and written communication skills. Study of culture and geography continues and expands.

Spanish III (Full Year)

Prerequisite: Junior standing; C or better in Spanish II

A review of the fundamentals learned during Spanish I and II marks the beginning of this course. The goal is to increase fluency through reading, writing, listening, and speaking. Vocabulary acquisition, continued geography and cultural study, special projects, grammar study, authentic visual and audio programming, and interactive technology will all play a role.

Spanish IV (Full Year)

Prerequisite: Senior standing; C or better in Spanish III

Increased fluency is the primary goal at this level. Concepts covered during Spanish III will be reviewed and built upon. A variety of teaching and learning methods similar to those used in the third level will be employed.

FAMILY AND CONSUMER SCIENCES.....Clothing and Textiles I (1 semester)

Prerequisite: Freshman standing; Introduction to Family and Consumer Science

This course is planned to provide students with an opportunity to learn and understand various aspects of textiles, fabrics, and fashion. Students will have an opportunity to create a variety of projects. These projects not only encourage a feeling of personal satisfaction, but basic math skills are reinforced and applied throughout each project. Students participate in field trips to fabrics stores where they gain first-hand experience in selecting patterns, fabric, and notions. This course provides ample opportunity for students to add a unique perspective to every project created. Students are fortunate to utilize state-of-the-art technology and class size is kept at a minimum.

Commercial Foods/Catering I (2 periods, 1 semester)

Prerequisite: Junior standing; Foods & Nutrition II

This course is designed to provide students interested in a food service career with practical information and real life experiences which will lead to success in that field. These skills will be acquired through laboratory experiences, demonstration techniques, and commercial food preparation. The Commercial Catering class is frequently "hired" by various organizations to fulfill catering responsibilities. Students are the caterers. The creation of the *Sip n Study Café* in the high school library provides catering students with actual job experience, employee and managerial responsibilities. Students operate the business, interact with "customers", and continually market their products and ideas. Areas of study include professional positions in the catering field, equipment, fruits, vegetables, egg and cheese, seasonings, appetizers, salads and sandwiches, cereal and pasta, soups, sauces, yeast breads, pastries, desserts, cakes, quick breads, cookies, nutrition, meats, poultry, and convenience foods. Students also get a taste of French cuisine, menu terms and food service careers. Safety and sanitation principles are continually emphasized.

Commercial Foods/Catering II (2 periods, 1 semester)

Prerequisite: Junior standing; Commercial Foods/Catering I

This course will expand on Commercial Foods I, developing food service related competencies. Discussion and continued emphasis on topics from Commercial Foods I is included in this course. Students continue to apply their knowledge and skills in additional community functions; The *Sip n Study Café* is an on-going business that is "owned" by the catering students. Related responsibilities are studied and improved. This second semester class often takes a field trip to the Culinary Art Institute in Indianapolis where students witness first-hand what it takes to pursue this career.

Foods and Nutrition I (1 semester)

Prerequisite: Freshman standing; Introduction to Family and Consumer Science

This course includes basic classroom and laboratory experiences needed to develop knowledge and understanding of basic food principles and applied nutrition for people of all ages. The course content centers around the following duty areas: promoting food service and preparation management using the decision-making process; meeting basic needs by applying nutrition concepts; meeting health and safety needs in planning, preparing and serving food; maximizing resources when planning/preparing/serving food; promoting hospitality in food practices; and analyzing individual and family nutritional needs in relation to change. Information related to careers in foods and nutrition is incorporated throughout the course. Students participate in frequent labs where they gain hands-on experience in food preparation and decision-making skills as well as basic math application.

Foods and Nutrition II (1 semester)

Prerequisite: Sophomore standing; Foods & Nutrition I

In this second orientation level foods course, students continue to focus on basic nutrition, safety and sanitation, foodborne illnesses and a more in-depth study of higher level food preparation. Topics such as yeast breads, pastries, meat, fish, and poultry, our food supply, planning meals, and current nutritional issues are often studied in this part of the class.

Introduction to Family and Consumer Science (1 semester)

Prerequisite: Freshman standing

This course is the first course for all programs. It is designed to present basic subject matter in six areas: Clothing and Textiles; Resource Management; Foods and Nutrition; Housing, Furnishings, and Equipment; Human Development; Interpersonal and Family Relationships; Introduction to the World of Work. Learning experiences assist students in understanding themselves, their roles in today's society and the nature of homemaking and other home economics related careers. Students have an opportunity to explore topics mentioned in this course description and perhaps pursue specialized area(s) throughout high school.

Parenting (1 semester)

Prerequisite: Junior standing

This course is designed to help students think through the responsibilities, satisfactions and stresses of parenthood. Many types of parenting situations are examined. Stress management and the work of community agencies that help parents deal with various types of parenting crises are emphasized. The course content includes the following duty areas: managing and organizing parenting by applying decision-making and goal-setting skills; applying the basic principles of the parenting process; practicing health and safety standards as related to parenting; providing experiences which encourage parents and children to maximize resources; encouraging human relations skills in children/adolescents; and evaluating impact on parenting of family and career changes. Special attention is given to the needs of teenage parents and to the importance of readiness for parenthood. Students have the opportunity to become a weekend "parent" by being the sole caregiver of the Real Care Baby, a computerized plastic doll. This is a simulation experience that the student will never forget and one that helps him/her to better understand the responsibilities that go along with parenthood.

CAREER EXPLORATION/DEVELOPMENTCareer Exploration (1 semester)

Prerequisite: Freshman standing

This course is designed to assist students in developing career ideas and in developing skills applicable to the work force.

Works Ethics & Career Exploration (1 semester)

Prerequisite: Junior standing

Students will complete a career interest inventory on Career Cruising; receive instruction on a broad range of professions, work ethics, and how businesses relate to community. Students will participate in a job shadow in their career interest. Students will create and execute a service project to benefit the Marshall Community. The course will also include guest speakers, business tours, and college tours. Students will create a portfolio to include their career inventory, research into their specific area of career interest, assignments that relate Work Ethics to their specific career, reflection on job shadowing and other experiences, etc. This course is a prerequisite to a proposed senior level for-credit apprenticeship course.

INDUSTRIAL TECHNOLOGY.....Auto Mechanics I (Full Year), 2 periods (Dual credit available with Lake Land College)

Prerequisite: Senior standing; Small Engines

This course provides experiences related to maintenance, repair and servicing of a variety of transportation equipment. Planned learning activities will allow students to become knowledgeable of fundamental principles and methods and to develop technical skills related to auto mechanics and basic engine repair. Instruction principles include heating and cooling systems, brake systems, ignition systems, and the maintaining, servicing and repairing of the different types of automobiles and light trucks.

Small Engines (Full Year), 2 periods

Prerequisite: Junior standing

Power will be covered as a user of energy and as a means of transportation. Instruction will cover single-cylinder engines. Classroom and hands-on laboratory exercises will emphasize engine maintenance and repair of small engines used on portable power equipment.

Beginning Drafting (1 semester)

Prerequisite: Freshman standing

Beginning Drafting is an introductory level drafting course. During this course students will learn the basic fundamentals of drafting and/or computer aided drafting (CAD). The instruction will include the care and use of drafting equipment, freehand sketching, orthographic projection, lettering techniques, dimensioning standards, pictorial drawings, drawing reproduction, and an introduction to CAD. In addition, the students will be introduced to Architectural Drawings including floor plan design, electrical plan design, plumbing design, and a front elevation.

Beginning Construction (Full Year)

Prerequisite: Junior standing; Production

Beginning Construction exposes students to the opportunities available in construction -related trades, such as carpentry, masonry, air conditioning/refrigeration, plumbing, and so on. Students learn about the processes involved in construction projects and may engage in a variety of small projects.

Building Trades/Martinsville (Full Year, meets 2 periods)

Prerequisite: Senior standing; Production

This course provides experiences related to the erection, installation and maintenance of residential buildings and related fixtures. Planned learning activities will allow students to become knowledgeable of fundamental principles and methods and to develop technical skills related to carpentry, building maintenance, and finished work. Instruction should include safety principles and practices; recognition of standard sizes of lumber; foundation layout methods; building concepts and procedures; local, state, and national codes; cost estimating; and blueprint reading.

Drafting/CAD I (Full Year)

Prerequisite: Sophomore standing; Beginning Drafting

This course is designed to provide students interested in a career in drafting and design or engineering with information, techniques, and experiences needed for the development of education or job-related competencies. The course content will include the theory and history of CAD, preparing simple and complex drawings using the CAD command processes, using a variety of reproduction techniques, the completion of various Architectural drawings, and the use of layers and symbol libraries.

Drafting/CAD II (Full Year)

Prerequisite: Junior standing; Drafting/CAD I

This course is a continuation of CAD I with an emphasis on project creation and production. Many of the experiences and techniques obtained during CAD I will translate to more complex and detailed projects. The course content will include a complete set of Architectural Drawings, detailed mechanical drawings, 3D drawings and dimensioning, introduction to block attributes, and modifying the CAD Program.

Electronics I (Full Year)

Prerequisite: Sophomore standing

This course provides learning experiences related to the testing, maintenance and repair of electronic components and circuits. Planned learning activities in this course will be coordinated to allow students to become more knowledgeable of fundamental electronic theories and laws and to develop practical skills in testing, maintaining and repairing selected electronic components, circuits, equipment and systems.

Energy Utilization (1 semester)

Prerequisite: Freshman standing

Energy Utilization is a course designed to foster an awareness and understanding of how we use energy in our industrial technological society. Areas of study will include conversion of energy; electrical fundamentals; solar energy resources; alternate energy resources such as wind, water, and geothermal; fossil fuels; nuclear power; energy conservation; and computer uses in energy technology. Students will use laboratory experiences to become familiar with current energy technologies.

Welding Tech I (1 semester, meets 2 periods) (Dual credit available with Lake Land College)

Prerequisite: Senior standing

This course assists students in gaining the knowledge and developing the basic skills needed to be successful in welding technology. Units of instruction include arc, TIG and MIG welding, metallurgy, cutting metal using arc, plasma, and oxy-gas. In addition, students learn the basics of blueprint reading, precision measuring, layout, and production process planning.

Welding Tech II (1 semester, meets 2 periods) (Dual credit available with Lake Land College)

Prerequisite: Senior standing; Welding Tech I

This course builds on the skills and concepts introduced in Welding Technology I and provides more in-depth skill development in various types of welding including horizontal, vertical, overhead, and circular techniques. Students also explore the use of robotic and automated production welding.

Production (1 semester)

Prerequisite: Freshman standing

Production is a course designed to foster an awareness and understanding of manufacturing and construction technology. Through a variety of learning activities, students are exposed to many career opportunities in the production field. Experiences in manufacturing include product design, procedures, corporate structure, management, research and development, production planning, mass production, marketing and servicing. In construction, students will be exposed to site preparation, foundations, building structures, installing utilities, and

finishing and servicing structures.

Transportation (1 semester)

Prerequisite: Freshman standing

Transportation is a course designed to foster an awareness and understanding of the various transportation customs that make up our mobile society. Through laboratory activities, the student will be exposed to the technologies of and career opportunities involved in material handling, atmospheric and space transportation, marine transportation, terrestrial transportation, and computer uses in transportation technology.

Manufacturing Skills (Full year)

Prerequisite: Junior standing

This course provides planned learning experiences and activities in safety, technical mathematics, precision measuring, and blueprint reading. The students also gain an understanding in the principles of electricity and mechanics and their application to gears, including hydraulic/pneumatic equipment, cams, levers, circuits, and other devices in the manufacturing process. The program also includes instruction in programmable logic controllers, preventative maintenance, automated control systems, automated manufacturing, metal lathe and CNC operation, drill press and metal sawing operations, forklift safety and operation, the welding process, and other specialized topics. After completion of this dual-credit, double blocked class the student will earn a Technical Certificate from Lake Land College.

MATHEMATICS.....

Algebra I (Full Year)

Prerequisite: Freshman standing

This course is a study of the basic terminology, notation, concepts, skills and applications of elementary algebra. It is a prerequisite for Plane Geometry. (Algebra taken in the 8th grade and successfully completed will receive credit only and no grade; it does not count towards your state required math credits.)

Algebra IA (Full Year)

Prerequisite: Freshman standing and teacher recommendation

This is a course that covers the same topics as Algebra I during the first semester. Course work includes using mathematical properties, solving equations, ratios and proportions, writing equations in different forms, solving system of equations and inequalities, and graphing equations and inequalities.

Algebra IB (Full Year)

Prerequisite: Algebra IA and Geometry A

Course work with numbers includes exponents and radicals. There will be a review of linear equations, systems of equations and functions. Emphasis of the course will be placed on quadratic, exponential equations and functions. As time allows there will be an introduction to polynomial and radical equations and functions.

Algebra II (Full Year)

Prerequisite: Plane Geometry

Course work with numbers includes exponents, radicals, and complex numbers. There will be a short review of linear equations and functions. Emphasis of the course will be placed on quadratic, polynomial, rational, radical, exponential and logarithmic equations and functions. As time allows there will be an introduction to probability, statistics, and trigonometric functions. All topics will include work with modeling and problem solving.

Basic Math (Full Year) (May be repeated)

Prerequisite: IEP

The curriculum for this course, built on the opportunity to improve basic math skills and applying them to practical

situations, will be individualized with materials being presented at the students' levels. The students will progress at individual paces. The course may be repeated with credit as needed to improve the students' skill toward their grade-ability levels.

Calculus (1 semester) (2nd semester of senior year only)

Prerequisite: Finite Math

This class is a study of the basics of calculus. It will include an overview of limits, differentiation, and integration. Study will also include the application of these topics.

College Algebra with Trigonometry (Full Year) (Dual credit available with Lake Land College)

Prerequisite: Algebra II

This course is a more in-depth study of topics introduced in Algebra II. New algebraic topics include theory of equations and conic sections. Trigonometry concepts studied are trigonometric functions and their graphs, trigonometric identities, solving trigonometric equations, inverse trigonometric functions, right triangle trigonometry, law of sines, and law of cosines. All topics will include work with modeling and problem solving.

Finite Math (first semester) (Dual credit available with Lake Land College)

Prerequisite: College Algebra

This course is an introduction to finite mathematics. Topics include linear systems of equations and inequalities, matrices, linear programming, counting theory and probability.

Honors Geometry (Full Year)

Prerequisite: Algebra I and teacher recommendation

This is an advanced course that covers the same topics as Plane Geometry in more depth.

Math Applications (Full Year)

Prerequisite: Senior Standing and Algebra II or Math Concepts

This class will count as an elective.

This course will develop students' understanding of math concepts utilized in real-world situations using agricultural, welding, construction and personal finance. This will include topics such as measurement, areas, perimeters, volume, surface area, buying supplies, reading blueprints, and money management, all done through projects.

Math Concepts (Full Year)

Prerequisite: Algebra I, Plane Geometry, and Teacher Recommendation

This class will count as a math graduation requirement.

Students will review core concepts from Algebra I and be introduced to basic concepts of Algebra II by simplifying expressions, solving equations and inequalities and analyzing functions. They will gain a greater understanding of core Geometry concepts including transformations, congruence, polygon properties, volume and surface area. Students will be introduced to descriptive and inferential statistics and the basics of probability.

Plane Geometry (Full Year)

Prerequisite: Algebra I

This course integrates plane and solid concepts with an effective use of Algebra. Topics covered include distance, midpoint, angle and segment relationships, inductive reasoning, deductive reasoning with proofs, parallel and perpendicular lines, congruent and similar figures, transformations, triangles, geometric mean, Pythagorean theorem, law of sines, quadrilaterals, circles, area, surface area and volume. This course is a prerequisite for College Algebra.

Plane Geometry A (Full Year)

Prerequisite: Algebra IA

This is basic level course which covers the same topics as Plane Geometry.

Statistics (second semester) (Dual credit available with Lake Land College)

Prerequisite: Finite Math

This course is an application of elementary principles of descriptive statistics including frequency distribution, graphical representation, measures of center and variation. Inferential statistics will be covered including elements of probability, sampling techniques, binomial and normal distributions. All topics will include work with modeling and problem solving.

Vocational Algebra IA (Full Year)

Prerequisite: IEP

This is a course that covers the same topics as Algebra IA. Course work includes mathematical properties, solving equations, ratios and proportions, writing equations in different forms, solving system of equations and inequalities, and graphing equations and inequalities.

Vocational Geometry (Full Year)

Prerequisite: IEP and Vocational Algebra IA

This course is a basic study of geometric concepts and applications. Students will practice making connections from concrete examples to abstract concepts.

Vocational Algebra IB (Full Year)

Prerequisite: IEP, Algebra IA and Vocational Geometry

This course covers the same topics as Algebra IB. Course work includes polynomials, factoring, quadratic and exponential functions, radical expressions, Pythagorean Theorem, distance formula and probability.

MUSIC.....Chorus (Full Year)

Prerequisite: Freshman standing

This is a course to introduce students to vocal music at a performance level. Students will be instructed on reading vocal music for performance purposes. Performances outside of the classroom may be required by the instructor.

Concert and Marching Band (Full Year)

Prerequisite: Freshman standing

This is a course in instrumental music designed to polish to the highest degree the individual talent, skill, and technique of the student. Great emphasis is placed upon leadership, teamwork, and participation in all performances. The bands will perform at numerous athletic functions. A stage band, which performs music of a popular nature, is also offered. Students will not be allowed to enroll during the second semester without completing this class during first semester.

Music Theory (1 semester)

Prerequisite: Senior standing; participation in Band or Chorus, or documented instrumental music lessons

This is a course to prepare students who intend to continue their education in music at the college level. The material includes: developing an understanding of rhythms, scales and clefs; audio recognition of notes; melodic dictation, and tempo markings and dynamics.

HEALTH/PHYSICAL EDUCATION/DRIVER EDUCATION.....Driver Education Classroom (.25 credit)

Prerequisite: Freshman standing, graduation requirement

The classroom phase consists of nine (9) weeks, five (5) days per week or thirty (30) clock hours. Proper procedure for driving and rules of the road are covered.

Driver Education-Behind the Wheel (No Credit Given)

Prerequisite: Driver Education Classroom

Behind the wheel phase is six (6) clock hours of actual driving. Behind the Wheel is offered but not required unless the student wants to qualify for a driver's license at the age of 16, or any time between the 16th and 18th birthday.

Health Education (1 semester)

Prerequisite: Freshman standing, graduation requirement

This is a required course for all freshmen. The purpose of this class is to provide experiences that will favorably influence the understanding, attitudes, and practices relating to individual, family and community health.

Health Occupations (Full Year, 2 class periods) (Dual credit available with Lake Land College)

Prerequisite: Senior standing

This course includes classroom, laboratory, and clinical experience to give students a basic understanding of the concepts and philosophy of health care. Basic skills common to most health occupations will be covered.

Examples of instruction include dentistry, nutrition, medicine, nursing, psychology, social service, therapists, and technical instrumentation.

Physical Education (Full Year)

Prerequisite: Freshman standing, graduation requirement

This program consists of individual and team sports with emphasis on physical, mental, and social development of each individual.

SCIENCE.....Advanced Chemistry (1 semester)

Prerequisite: Chemistry

Advanced Chemistry offers several interesting units which include the following: Acid and Base Properties, Organic Chemistry, Nuclear Chemistry, Basic Gas Laws, Basic Thermo-chemistry, Aqueous Systems and Properties of Solutions. Writing formal lab reports and completing 3-4 basic chemistry laboratory exercises will help reinforce the lessons taught in this class. Power-point lessons will be created by students on various compounds and mixtures used by mankind. Various lab exercises will be completed for student interest. Power-point lessons with note-taking skills are emphasized for this college preparatory class.

Anatomy and Physiology (Full Year)

Prerequisite: Sophomore standing, Physical Science or taken concurrently

This course covers the basic human body plan, cellular structure and function, as well as the tissue organization. Many systems such as the skeletal, muscular, circulatory, nervous, reproductive, etc. are examined in detail both anatomically and physiologically. The effects of exercise on the pulse rates, blood pressures and body temperatures are studied during a five-week exercise program. Field trips to college physiology labs help round out this course. Labs are included to help students to understand the topics and meet the standards in the Common Core.

Bio-Science (Full Year) (Dual credit available with Lake Land College)

Prerequisite: Junior standing, Chemistry

Bio-Science is an introduction to the fundamental processes and structures common to all living organisms. Emphasis is on biochemistry, cellular functions and organization, genetics and ecology. Labs are included to help students to understand the topics and meet the standards in the Common Core. Students who enroll and successfully complete this class will have the option to receive credit at Lake Land College in addition to MHS.

Chemistry (Full Year)

Prerequisite: Sophomore standing; Algebra I

Chemistry offers general studies which include an Introduction to Chemistry, and select topics include: Matter and Change, Scientific Measurement, Atomic Structure, Electrons in Atoms, The Periodic Table, Ionic and Metallic Bonding, Chemical Names and Formulas, Chemical Quantities, Chemical Reactions, Stoichiometry, and the States of Matter. Writing formal lab reports and completing 8-10 basic chemistry laboratory exercises will help reinforce the lessons taught in this class. A speech shall be given over an element on the periodic table to reinforce speech skills. Power-point lessons with note-taking is reinforced for this college preparatory class.

Earth Science/Astronomy (Full Year)

Prerequisite: Freshman standing, graduation requirement

This course is designed to help the student understand the basic concepts, terms, and principles of earth/space sciences. Topics that will be included in this course include: rocks and minerals, plate tectonics and earthquakes, volcanoes and soil formation, erosion, deposition and a trip through Geologic time, climate, climate change and earth, moon, and sun, the Solar System and Universe, and finally, the atmosphere and weather. Students will be given open-ended questions on these units to research and present to the class in a variety of methods including posters, power-point presentations, making models and experiments, and posting to a web-source. Labs are included to help students to understand the topics and meet the standards in the Common Core.

Environmental Biology (1 semester)

Prerequisite: Sophomore standing

This course will include teaching the interactions of biotic (living) and abiotic (nonliving) factors in the environment; conducting scientific experiments and studies to better understand relationships in nature; performing authentic activities that can be used in the local area to improve animal habitat, water quality, prevent erosion, etc; using technology that would help to prepare students for the job market especially related to GPS/GIS. Labs are included in this course.

Forensic Science (1 semester)

Prerequisite: Sophomore standing

Introduction to the laboratory methods used today to solve crimes. It will incorporate concepts from the areas of biology, chemistry, anatomy, genetics, physics, math, psychology, and statistics. It will show the relationship between science and law. The class will allow the student to practice scientific inquiry and methods to solve real life and complex problems using data, evidence, and logical reasoning. Labs are included in this course.

Life Science (Full Year)

Prerequisite: Junior standing, graduation requirement

This course is designed to help the student to understand the fundamental concepts and principles involved in cellular biology, genetics, and ecology. The foundations formed in this class will prepare the students for Bio-Science. Labs are included to help students to understand the topics and meet the standards in the Common Core.

Physical Science (Full Year)

Prerequisite: Sophomore standing, graduation requirement

The Physical Science course of study relates to the exploration of the physical world around the student. Basic concepts are related to Chemistry and Physics. Laboratory exercises supplement the lecture and demonstrations. Labs are included to help students to understand the topics and meet the standards in the Common Core.

Physics (Full Year)

Prerequisite: Junior standing; Concurrent with College Algebra with Trigonometry

This course is designed to prepare the student for a college-level physics class. Students will learn basic concepts, terms, and principles of physics/physical science. Topics that will be included in the course are: What is physics?, Representing Motion, Accelerated Motion, Force in One-dimension, Forces in two-dimensions, Motion in two-dimensions, Gravitation, Momentum and its Conservation, Energy, Work, and Simple Machines, Energy and its Conservation, Static Electricity, Current Electricity, and Series and Parallel Circuits. A variety of experiments shall be done to reinforce these ideas as well as participation in an engineer-design competition against area schools in building items to fit the criteria of the contest.

Science Taught in the Agriculture Department**Biological Science Applications in Agriculture** (1 semester)

Prerequisite: Junior standing

BSAA is designed to reinforce and extend students' understanding of science by associating basic scientific principles and concepts with relevant applications in agriculture. Students will consider crop management decisions in light of specific biological science concepts that govern plant growth.

Physical Science Applications in Agriculture (1 semester)

Prerequisite: Sophomore standing

PSAA is a course that reinforces and extends students' understanding of science and the scientific process by associating scientific principle and concepts with relevant applications in agriculture. Sample topics include: 1) Agriculture Power Systems-energy, force, work torque, and 2) Environmental/Natural Resource Systems-infiltration, percolation, turgidity and universal soil loss.

SOCIAL STUDIES.....**American Government** (1 semester)

Prerequisite: Junior standing with IEP or counselor recommendation

American Government is designed to assist students who have reading difficulties in the study of the government of the United States. American Government will offer a thorough treatment of the government of the United States with special emphasis on the Constitution and the political systems. Because of the individualized nature of this class, students must have the recommendation of the counselor to enroll. Successful completion of the Illinois and U.S. Constitution tests are required to graduate.

American History (Full Year)

Prerequisite: Sophomore standing with IEP or Counselor Recommendation

American History is designed to assist students who have reading difficulties in the study of the history of the United States. American History will offer a chronological approach to all periods of history with special emphasis on the social, economic and political history of our nation.

Civics (1 semester)

Prerequisite: Junior standing, graduation requirement

This course is designed to teach students about the federal Constitution, the roles of the three branches of government, and the electoral process. Successful completion of the Illinois and U.S. Constitution tests are required to graduate.

Economics (1 semester)

Prerequisite: Junior standing, graduation requirement

This is a basic introduction to the production, distribution, and consumption of goods. Students will learn about supply and demand, the foundations of the stock market, and consumer buying habits.

Geography (1 semester)

Prerequisite: Freshman standing

This course will be a practical offering to freshman and sophomore students. It is designed to provide a practical, working knowledge of world geography.

Historical Problems (1 semester)

Prerequisite: Junior standing

This is an advanced course designed for the college-bound student. The purpose of the class is to take an in-depth look at current historical problems. The class will use a topical approach to the study of current issues and current events. The class takes on a college preparatory feel with essay tests and powerpoint presentations as the way grades are achieved.

Psychology (1 semester)

Psychology is a basic introduction in to the study of individual thought and behavior with a particular focus on the mental and neural bases of perception, emotion, learning, memory, cognition, child development, personality and social interaction.

Sociology (1 semester)

Prerequisite: Junior standing

Sociology is a basic introduction into the study of humans. We will analyze the differences among humans with a focus on religion, race, gender, and culture.

U.S. History (Full Year)

Prerequisite: Sophomore standing, graduation requirement

This is a course intended to help the student to grow in citizenship and to help develop a genuine love for the United States of America, its traditions, and its institutions.

Western Civilization I (1 semester)

Prerequisite: Junior standing

This class will begin with developing an understanding of what is a civilization and then travel through the historical development of the first civilizations of the ancient near east and Egypt, as well as pre civilized Neolithic Europe, before examining the development of Ancient Greece and Rome and the Germanic cultures, in order to define clearly what is meant by the descriptor of western civilization.

Western Civilization II (1 semester)

Prerequisite: Junior standing

This class will begin with the European discovery of America and the new world, and the resulting financial boom to Europe which transformed the political, religious, technological, and philosophical bases of western civilization. From there we will examine in a historical context the integral role America has played in world history from that time to the present.

COOPERATIVE WORK TRAINING (CWT)Cooperative Work Training 1 (Full Year)

Prerequisite: Freshman standing and IEP

This course is a beginning level course designed to teach students about the world of work, setting future career goals, and the basics to career exploration. In addition, students will learn how they can find and obtain a job and

be successful. Students will learn the social skills and work ethics that will be required in the workforce. Students will learn basic everyday living skills that are associated with living independently. Students will be assigned a job on school campus to display the work skills taught in class and be evaluated by a supervisor as well as the CWT teacher.

Cooperative Work Training 2 (Full Year)

Prerequisite: Sophomore standing and IEP

This course is designed to teach students job-related skills both in the classroom as well as at the job site. Students will learn the social skills and work ethics that will be required in the workforce. Students will be evaluated their skills and interests and explore careers of their interest. Throughout the year, students will learn the skills to finding and obtaining a job, beginning and retaining a job. The students will also learn the skills that will allow them to live independently. Students will learn the concepts of budgeting and consumerism. Students will be assigned a job off campus and evaluated by the employer as well as the CWT teacher.

CROSS- CATEGORICAL PROGRAM.....

Students involved in this program will earn a Certificate of Completion. The classes in this program are as follows:

Everyday English, Community Living, Vocational Education, Domestic Living, Vocational Experience, and Recreation and Leisure.

NCAA Requirements

Students who want to participate in Division I or Division II sports should start the certification process early, usually by the end of their junior year. To be certified by the Clearinghouse as a qualifier for Division I sports, students must:

1. Graduate from high school
2. Successfully complete a core curriculum of at least 16 core courses as follows:
 - 4 years of English
 - 3 years of Math (Algebra I or higher)
 - 2 years of Natural/Physical Science (one year of lab, if offered by high school)
 - 1 year of additional English, mathematics, or natural/physical science
 - 2 years of Social Science
 - 4 years of additional courses (from any area above, foreign language, or comparative religion/philosophy)
3. Have a core-course 2.3 G.P.A. (based on a maximum of 4.00) and a combined score on the SAT verbal and math section or a sum score on the ACT based on the qualifier index scale. See your guidance counselor for the most current Qualifier Index.

To be certified by the Clearinghouse as a qualifier for a Division II, students must:

1. Graduate from high school
2. Have a GPA of 2.00 (based on a maximum of 4.00) in a successfully completed core curriculum of at least 16 core course as follows:
 - 3 years of English
 - 2 years of Math (Algebra I or higher)
 - 2 years of Natural/physical science (one year of lab, if offered by high school)
 - 3 years of additional English, mathematics, or natural/physical science
 - 2 years of Social science
 - 4 years of additional courses (from any area above, foreign language, or comparative religion/philosophy)
3. Have a combined minimum score on the SAT verbal and math sections of 820 or a minimum sum score of 68 on the ACT

Below are the approved courses, which qualify for core courses. Courses which are not listed below will not qualify for consideration as core courses. These requirements currently do not apply to Division III colleges, where eligibility for financial aid, practice and competition is governed by institutional, conference and other NCAA regulations.

Definition of a Core Course

To meet the "core-course" requirement; the core course must be defined as a recognized academic course and qualify for high school graduation credit in one or a combination of the following areas: English, mathematics, natural/physical science, social science, foreign language, or comparative religion/philosophy.

The course must be considered college preparatory by the high school. College preparatory is defined for these purposes as any course that prepares a student academically to enter a four-year collegiate institution upon graduation from high school

The course must be taught by a qualified instructor as defined by the appropriate academic authority (e.g. high school, school district, or state agency with authority of such matters) and at or above the high school's regular academic level (i.e., remedial, special education or compensatory courses shall not be considered core courses).

Courses approved by the Clearinghouse at Marshall High School include:

English

College English I
College English II
College English III
College English IV
English I
English II
English III
English IV
Contemporary & Classical Literature
Speech
Spelling & Vocabulary

Social Science

American Government
American History
Civics
Economics
Geography
Historical Problems
Psychology
Sociology
U.S. History
Western Civilization

Mathematics

Algebra I
Algebra II
College Algebra with Trigonometry
Finite Math
Honors Geometry
Intro to Calculus
Plane Geometry
Statistics

Natural/Physical Science

Advanced Chemistry
Anatomy and Physiology
Bio Science
Biological Science Applications in Agriculture
Chemistry
Earth Science/Astronomy
Environmental Biology
Forensic Science
Life Science
Physical Science
Physical Science Applications in Agriculture
Physics

Additional Core Courses

Spanish I
Spanish II
Spanish III
Spanish IV
German I
German II
German III
German IV