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This booklet contains the description of courses offered at Marine City High School. The value of your high school education depends on how well you and your parents, in cooperation with the high school counselors, select your courses. Please take the time to read the course descriptions and share them with your parents. This will enable us to design the best educational plan for you.

MARINE CITY HIGH SCHOOL
1085 Ward Street
Marine City, MI 48039
676-1900

676-1926 Attendance
676-1916 - Athletics

676-1925 FAX
www.ecsd.us

Administration

William G. Jedele.....Principal
David Seddon..... Assistant Principal
Scott Westerhof..... Athletic Director

EAST CHINA SCHOOL DISTRICT
1585 Meisner Road
East China, MI 48054
676-1000

Administration

Rodney P. Green Superintendent
Ketha Knuth.....Assistant Superintendent,
Personnel Brenda Tenniswood..... Assistant Superintendent,
Instruction

Board of Education

Michael McCartan President
James R. Biewer..... Vice President
Verne P. Westrick Jr Secretary
John Folske Treasurer
Kathy L Bruer Trustee
Roy W. Klecha Jr..... Trustee
Michael McNamee..... Trustee

GENERAL INFORMATION

ACCREDITATION

Marine City High School has been accredited by:
North Central Association of Colleges and Secondary Schools since 1926

MISSION STATEMENT

“Marine City High School will provide all students with a safe, positive learning environment through the unified efforts of the faculty, parents and community.”

NON-DISCRIMINATION POLICY

AThe East China Board of Education complies with all federal laws and regulations of the U.S. Department of Education. It is the policy of the East China Board of Education that no person on the basis of race, color, religion, national origin or ancestry, age, sex, marital status or handicap shall be discriminated against, excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination in any program or activity to which it is responsible or for which it receives financial assistance for the U.S. Department of Education.≡
(Adopted by the East China Board of Education, April 19, 1982)

The East China School District is an equal opportunity employer. Auxiliary aids and services are available upon request to individuals with disabilities.

REGISTRATION PROCEDURE

Please use this course description book as a tool to make good decisions in selecting your classes for grades 9 through 12. You are urged to follow a plan that will allow you to fulfill the graduation requirements and prepare for a career pathway. There are career-planning resources available on our school computer network (Career Cruising Information System) and My Dream Explorer, a career preparation system that can be accessed from the Internet. Choosing a career is one of the most important decisions in your life and selecting courses that will help you achieve your career goals is the way to make the most of you high school education.

You will register for classes each spring. Put time and thought into your class selections. Class changes after the semester starts are rarely made and for good educational reasons only. You will be asked to obtain your parents signature on your course selection form and turn it into the counseling office.

Courses described in this booklet may not be offered every semester or year. Students who fall behind on graduation requirements must make up credits through night school, summer school or online course options. The school principal must approve any credit recovery plan.

Principals shall certify the eligibility of each student to the Board of Education prior to the issuance of a diploma.

TESTING OUT

The East China School District acknowledges that some students may have acquired knowledge or skills at levels that would allow them to demonstrate a reasonable degree of mastery without taking specified courses. Sections 1279b and e of the School Code of Michigan have been amended to allow such students to request an opportunity to demonstrate such mastery through written or oral examinations, written papers, projects, portfolios, or other comparable forms. It is the district’s understanding that the law is designed to broaden course options and provide a student with more appropriate challenges. It is the intention of the school district to extend opportunities to all high school students to demonstrate mastery in the full range of courses offered and to allow for the most effective use of instructional time.

Any Student registered in high school within the East China School District, and whose parent has signed an application form is eligible for the testing out option. Physical Education is exempt from testing out because it is required by statute for all high school students in Michigan. For complete details and application, contact the counseling office.

GRADUATION REQUIREMENTS

A diploma shall be awarded to each student who undertakes twenty-four (24) credits of study in grades 9 through 12 and successfully completes twenty-two (22) such credits. All students shall be required to satisfactorily complete a program of study comprised of the following:

<u>Area</u>	<u># of Credits</u> Class of 09 & 10 / Beg Class of 2011
English	4.0 / 4.0
Social Studies.....	3.0 / 3.0
1 credit of United States/Michigan History and 2 credit of Government, Economics, and Global Issues are mandatory. (beg 11) 1 credit of US History/Geography, 1 credit World History/Geography, ½ credit Economics, ½ credit Civics/Government	
Mathematics.....	2.0 / 4.0
(Beg 11) 1 credit each Algebra I & II, Geometry and one additional math or math-related credit. Math or math related class in final yr.	
Science	2.0 / 3.0
(Beg 11) 1 credit Biology, 1 credit Chemistry or Physics	
Computer Education5 / 0.0
Physical Education.....	1.0 / .5
.5 credit of PE may be waived if student completes 4.0 credits of band. The .5 credit to be waived cannot be the General PE class. (Beg 11) must take Basic PE The .5 credit cannot be waived.	
Health Education.....	.5 / .5
Visual, Performing, Applied Arts	2.0 / 1.0
Total number of required credits.....	15 / 16
Number of elective credits needed.....	7 / 6
TOTAL CREDITS NEEDED TO GRADUATE.....	22 / 22

COUNSELING DEPARTMENT COUNSELORS

David Scheel - A-H Kim Henry - I-M Nancy Shaw - N-Z

High school is a time for you to begin preparation for your future. When you graduate it is hoped that you will have a career path in mind. The Guidance Counselors at Marine City High School are committed to helping you reach your educational and career goals. We will provide guidance in the following areas:

Educational Placement:

Your counselor will be pleased to review your school records with you including results of your aptitude tests. They will also assist you in selecting the appropriate courses to help you plan your career goals.

Career Guidance:

Students have access to The Career Cruiser career decision-making tool. This tool can be accessed from any location that has internet. Students will work on an education development plans (EDP) each year in various required classes.

Personal/Social Counseling:

The high school years are a time of tremendous growth and change in individuals. Often this time of change from childhood to adulthood has its tough moments. The Counseling Center seeks to provide a place where you can come for help with a personal problem or concern.

COURSE OFFERINGS – 2009-2010

BUSINESS DEPARTMENT

Introduction to Business	9, 10	(2 sem)
Accounting I	10, 11, 12	(2 sem)
Accounting II	11, 12	(2 sem)
Marketing I	10, 11, 12	(2 sem)
Marketing II	11, 12	(2 sem)
Office Administration I	10, 11, 12	(2 sem)
Business and Personal Law	11, 12	(2 sem)
Communications in Business	11, 12	(2 sem)
Speedwriting	11, 12	(2 Sem)
Document Processing	9, 10, 11, 12	(1 sem)

COMPUTER DEPARTMENT

Multimedia Computers	9, 10, 11, 12	(2 sem)
Computer Programming	10,11,12	(2 sem)

ENGLISH DEPARTMENT

English Language Arts 9	9	(2 sem)
English Language Arts 10	10	(2 sem)
English Language Arts 11	11	(2 sem)
Public Speaking 12	11, 12	(1 sem)
Advanced Placement Literature & Composition	11, 12	(2 sem)
Advanced Placement Language & Composition	11, 12	(2 sem)
World Literature and Composition 12	12	(2 sem)
Creative Writing	12	(1 sem)
Late 20 th Century Literature	12	(1 sem)
Yearbook	11, 12	(2 sem)

FINE ARTS

Art I	9, 10, 11, 12	(2 sem)
Art II	10, 11, 12	(2 sem)
Advanced Art	11, 12	(2 sem)
Concert Band	9, 10, 11, 12	(2 sem)
Wind Ensemble	10, 11, 12	(2sem)
Jazz Ensemble	11, 12	(2 sem)
Vocal Music (Treble Choir)	10, 11, 12	(2 sem)
Vocal Music (Concert Choir)	9, 10, 11, 12	(2 sem)
Chorale	10, 11, 12	(2 sem)
Introduction to Theatre	10, 11, 12	(1 sem)
H.S. Student Leadership	9, 10, 11, 12	(1 sem)

LIFE MANAGEMENT EDUCATION

Essential Health/Living Skills	9	(1 sem)
Housing and Home Furnishings	9, 10, 11, 12	(1 sem)
Parenthood/Child Development I & II	9, 10, 11, 12	(2 sem)
Nutrition I & II	10, 11, 12	(2 sem)
Family Living	12	(1 sem)
Personal Living		12 (1 sem)
Consumer Education	11, 12	(1 sem)

MATHEMATICS DEPARTMENT

Intro Algebra	9, 10	(2 sem)
Basic Algebra	10, 11	(1 sem)
Algebra I	9, 10	(2 sem)
Basic Geometry	10, 11, 12	(2 sem)
Intro Geometry	10, 11, 12	(1 sem)
Geometry	9, 10, 11, 12	(2 sem)
Algebra II	10, 11, 12	(2 sem)
Advanced Algebra and Trigonometry	10, 11, 12	(2 sem)
Pre-Calculus	11, 12	(2 sem)
Advanced Placement Calculus	12	(2 sem)

PHYSICAL EDUCATION

Basic Physical Education	9, 10	(1 sem)
Weight Training & Conditioning	9,10,11,12	(1 sem)
Advanced Weight Training & Conditioning	9,10,11,12	(1 sem)
Team Sports	10, 11	(1 sem)
Lifetime Sports (second semester only)	12	(1 sem)

SCIENCE DEPARTMENT

Biology I	9	(1 sem)
Introductory Chemistry	9	(1 sem)
Biology II	9, 10	(1 sem)
Physics I	10, 11	(1 sem)
Chemistry	10, 11, 12	(2 sem)
Physics II	10, 11, 12	(1 sem)
Advanced Physics	11,12	(2 sem)
Environmental Science	11, 12	(1 sem)
Forensic	11, 12	(1 sem)
Anatomy and Physiology	11, 12	(2 sem)
Advanced Placement Physics	11, 12	(2 sem)

SOCIAL STUDIES DEPARTMENT

Global Issues	9, 10, 11, 12	(1 sem)
United States and Michigan History	9, 10	(2 sem)
Sociology	10, 11, 12	(1 sem)
Advanced Placement History	10, 11, 12	(2 sem)
Economics	11	(1 sem)
World History	10	(2 sem)
Current Events	11, 12	(1 sem)
Psychology	11, 12	(1 sem)
Government	11, 12	(1 sem)

TECHNOLOGY EDUCATION DEPARTMENT

Introduction to Technology	9, 10, 11, 12	(1 sem)
Engineering in Physical Technology	9, 10, 11, 12	(1 sem)
Engineering in Informational Technology	9, 10, 11, 12	(1 sem)
Engineering in Bio-Related Technology	9, 10, 11, 12	(1 sem)
Engineering Research and Development	11, 12	(2 sem)

WORLD LANGUAGE

French I	9, 10, 11, 12	(2 sem)
French II	9, 10, 11, 12	(2 sem)
French III	9, 10, 11, 12	(2 sem)
French IV	9, 10, 11, 12	(2 sem)
Spanish I	9, 10, 11, 12	(2 sem)
Spanish II	9, 10, 11, 12	(2 sem)
Spanish III	9, 10, 11, 12	(2 sem)
Spanish IV	9, 10, 11, 12	(2 sem)

MISCELLANEOUS

Dual Enrollment	11,12	(1 to 4 sem)
Special Education	9, 10, 11, 12	
Long Distance Learning	11, 12	(1 to 2 years)
St. Clair County Technical Education	11, 12	(1 to 2 years)

Student Name _____

Year of Graduation _____

9th Grade - First Semester	9th Grade - Second Semester
1. English Language Arts 9	1. English Language Arts 9
2. Math	2. Math
3. Biology I	3. Science
4. Health or PE	4. Health or PE
5. U.S. History	5. U.S. History
6.	6.
10th Grade - First Semester	10th Grade - Second Semester
1. English Language Arts 10	1. English Language Arts 10
2. Math	2. Math
3. World History	3. World History
4. Science	4. Science
5.	5.
6.	6.
11th Grade - First Semester	11th Grade - Second Semester
1. English	1. English
2. Government	2. Economics
3. Math	3. Math
4. Science	4. Science
5.	5.
6.	6.
12th Grade - First Semester	12th Grade - Second Semester
1. English	1. English
2. Math	2. Math
3.	3.
4.	4.
5.	5.
6.	6.

**Students are also required to take 1.0 credit of Fine Arts.*

BUSINESS DEPARTMENT

INTRODUCTION TO BUSINESS

2 semesters

1 credit

9-10

PREREQUISITE: None

This course is designed to promote an overview of our economic system, its practices, and how they will fit in the role of a consumer, citizen, worker, and investor. The class will promote career awareness, career exploration, personal development and human relations through a series of individual and group discussions, reading, reports, research, use of community resources and simulations. Areas covered may include: career education and development, employability skills and business records management. In addition, basic accounting procedures will be introduced.

DOCUMENT PROCESSING

1 semester

.5 credit

9-12

PREREQUISITE: None

In Document Processing a student will be introduced to various word processing programs in order to develop business correspondence in a variety of formats. Students will learn how to navigate using Microsoft Word and do desktop publishing. In Document Processing, students will develop greater speed and accuracy in keyboarding and operating hardware and software. Students will apply the skills and concepts by working through simulations and projects. This course is designed to prepare students for employment opportunities in today's rapidly changing business environment. This course may be used to fulfill the Computer or Fine Arts or Industrial Vocational Education graduation requirement. It is recommended that the student also complete Multimedia Computers to develop a well-rounded set of computer skills.

ACCOUNTING

2 semesters

1 credit

10-12

PREREQUISITE: None

This course is designed to train students with the technical and procedural skills required to work in the accounting departments of today's businesses. The student will master the complete accounting cycle and apply this knowledge to the preparation and interpretation of the various types of journals, ledgers, and financial reports required from beginning to end of an accounting period. The students will be introduced to computerized accounting procedures. Special emphasis is placed on the use of special journals, payroll, depreciation, interest and note computation, as well as the preparation of more detailed end-of-the period work for a corporation.

MARKETING I

2 semesters

1 credit

10-12

PREREQUISITE: None

This course allows students an opportunity to examine general marketing concepts used in the American private enterprise system. Students will be exposed to introductory marketing foundations including basic economic concepts, marketing concepts, human relation skills, business operations, product knowledge, job-seeking skills, cashiering procedures, business concepts, economic systems, communication skills and examination of the importance of entrepreneurship (small business operation). Direct marketing functions will include selling principles and techniques. Students will be involved with individual and group assignments, projects, simulations and experience marketing concepts in a classroom and/or laboratory setting.

MARKETING II

2 semesters

1 credit

11-12

PREREQUISITE: Marketing 1

Marketing 2 will expand knowledge in marketing foundations by exposing students to marketing career opportunities, customer relations, customer conflicts, and human resource management. In-depth study of advanced marketing functions will also be examined including sales process, product knowledge, ordering inventory, warehousing, stock handling, inventory control, nature of distribution and quality assurance. Pricing, credit extension, market research, promotional techniques and exploring entrepreneurship (small business ownership) as a career will be focused upon. Students will have an opportunity to study a specialized area of marketing according to their individual interest. Marketing skills will be developed by individual and group assignments and projects through classroom and laboratory experiences and the school store.

OFFICE ADMINISTRATION I

2 semesters

1 credit

10-12

PREREQUISITE: One semester of Document Processing or Multimedia Computer is suggested or instructor approval.)

This course is designed to prepare students for advanced office employment opportunities in today's rapidly changing business environment. These changes have created a demand for office workers with a broader variety of skills, an awareness of the office functions, and knowledge of new procedures and terminology. This course also provides medical procedures that will prepare students for positions in which they use medical terminology, medical document processing, medical office procedures, and medical records management. It also provides legal procedures that will prepare students for positions in which they use legal terminology, legal document processing, legal office procedures, and legal records management.

BUSINESS AND PERSONAL LAW 2 semesters 1 credit 11-12
PREREQUISITE: None
 This course is an introduction of laws that affect businesses in today’s society. When they complete the course, students should show improved academic knowledge and skills in these areas. Students will understand substantive business and personal law, legal procedures and the range of legal remedies, the sources and methods of legal research. Students will be able to use precise legal language, analyze and summarize complex legal situations, apply principles to legal situations, formulate an argument based on facts and principles, and express facts, principles, and arguments in writing.

COMMUNICATIONS IN BUSINESS 2 semesters 1 credit 11-12
PREREQUISITE: None
 Communications in Business is intended to develop both oral and written communications. Emphasis will be placed on foundation skills in speaking, writing, listening and reading communications. Students will use computers to create diagrams, charts and other visuals. This course is appropriate for both career and college bound students.

SPEEDWRITING (Every Other Year) 2 semesters 1 credit 11-12
PREREQUISITE: None
 This class is designed primarily for college bound juniors and seniors who can use a faster way of taking notes. A combination of longhand and symbols will be used to accomplish this goal. In addition to learning this “new “ alphabet, other areas of instruction may include spelling, punctuation, capitalization, grammar, personal study skills and transcription.

COMPUTER DEPARTMENT

MULTIMEDIA COMPUTER (Web Design) 2 semesters 1 credit 9-12
PREREQUISITE: None
 This course is designed to develop the skill and confidence to use computer applications productively. Students will learn word processing, database, spreadsheet, publication, web page design, and presentation software. The focus will be a mastery of software and hardware with an emphasis on computer applications used in most careers. Both students interested in business and general studies may benefit from this course.

COMPUTER PROGRAMMING (offered every other year) 2 semesters 1 credit 10-12
PREREQUISITE: Completion of or enrollment in Algebra II, or instructor’s permission
 This is a yearlong programming course for students interested in learning the structure and logic of a formal programming language. Utilizing Microsoft Visual Basic, students will program with concepts such as “if then” logic, loops, variable and control arrays, and Active X objects. Language for web pages will be utilized by students in constructing web sites from the ground up.

ENGLISH DEPARTMENT

ENGLISH LANGUAGE ARTS 9 2 semesters 1 credit 9
PREREQUISITE: None
 The goal for English Language Arts 9 is to build a solid foundation of knowledge, skills and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. In English Language Arts 9, students will be introduced to the various genres of classic and contemporary narrative and informational texts that will be read and analyzed throughout high school. Ninth graders will connect with and respond to texts by analyzing relationships within and across families, communities, societies, governments, and economies. Through the lens of Inter-Relationships and Self-Reliance, they will consider how they build relationships, how their relationships impact others, and their responsibility to society.

ENGLISH LANGUAGE ARTS 10 2 semesters 1 credit 10
PREREQUISITE: None
 The goal for English Language Arts 10 is to continue to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. In English Language Arts 10, students will add to the list of various genres of classic and contemporary narrative and informational texts that will be read and analyzed throughout high school. Tenth graders will connect with and respond to texts through critical response and stance. They will learn to evaluate for validity and quality, to balance and expand their perspectives promoting empathy, social action and appropriate use of power. Critical Response and Stance offers students the lens to assess and modify their beliefs, views of the world, and how they have power to impact them.

ENGLISH LANGUAGE ARTS 11 2 semesters 1 credit 11
 The goal for English Language Arts 11 is to build a solid foundation of knowledge, skills, and strategies that will be refined, applied,

and extended as students engage in more complex ideas, texts, and tasks. In English Language Arts 11, students will add to the list of various genre of classic and contemporary narrative and informational texts that will be read and analyzed throughout high school with a special focus on British and World literature and ACT success. Eleventh graders will connect with and respond to texts through transformational thinking. They will learn to use forward thinking to help make better decisions, to generate new ideas for solving problems, and to find wisdom. They will build a context for change in their lives and develop realistic plans for the future.

PUBLIC SPEAKING 12 **1 semester** **.5 credits** **11-12**
PREREQUISITE: None – Elective for Juniors (Does not replace English Language Arts 11)

This class is designed to help students develop confidence in their public speaking skills. Students will concentrate on developing, organizing, and delivering a variety of speech formats, such as manuscript, memorized, extemporaneous, impromptu, and oral interpretation. Students will also participate in group and/or panel discussions as both listener and participant. Students will be expected to evaluate their progress, using a variety of media. Some speech topics will require extensive research.

A.P. LANGUAGE & COMPOSITION **2 semester** **1 credit** **11-12**

PREREQUISITE: 10TH GRADE English teacher recommendation. Also ability to read well, accept an accelerated work load, be well organized and have successfully completed American Literature and Composition 10. Summer reading and writing is required.

AP British and Western Literature will cover a broad rang of literature from Ancient Greece to present England. The focus will be on European literature, poetry, essays and novels. The course wok is accelerated and students are expected to write analytical papers, discuss literary works, and think critically.

NOTE:

- Senior English course offerings are limited to 12th grade students or those who have “tested out” of earlier high school English courses.
- Other than AP Literature & Composition, which requires current English teacher endorsement, students are encouraged to seek advice of their current English teacher for proper selection of senior year offerings.

A.P. LITERATURE & COMPOSITION **2 semester** **1 credit** **12**

PREREQUISITE: Endorsement of current English teacher.

Also, students must have the ability to read well, accept an accelerated workload, be well organized and have successfully completed British and Western Literature and Composition. Summer reading and writing are required.

AP Literature will cover a wide range of literary works from the ancient to the modern worlds. The course work is accelerated and students are expected to write analytical papers, discuss literary works, and think critically.

Students are expected to take the AP Exam in May. This test, given by the College Board, will make it possible for students to gain some college credit for this course.

WORLD LITERATURE AND COMPOSITION 12 **1-2 semester** **.5-1.0 credit** **12**

This is a survey course of world literature from ancient times through World War II. Through in-depth study of literature, students will be exposed to the diverse cultures of the world, using poetry, novels, plays, and essays. Through writing and critical thinking, students will gain the opportunity to better understand the world in which they live. Students may enroll in World Literature as a one year course, or in either semester.

CREATIVE WRITING **1 semester** **.5 credit** **12**

This course is designed as a workshop, consisting of independent work, directed reading, lecture, writing practices and/or a journal. Students will learn to develop their individual creative writing styles based on accepted and valued standards established and presented in the course. By evaluating established writing techniques, students will be able to reflect on and assess their own unique styles. Each student will create a portfolio of his/her work, consisting of poetry, short fiction, dramatic scene, and other genre selected by the teacher.

LATE TWENTIETH CENTURY LITERATURE **1 semester** **.5 credit** **12**

In this course students will read, discuss, and evaluate selected literary works, (poetry, novels, plays, essays) from 1950 to the present. Students will use critical thinking and writing skills to assess the value and impact this literature continues to have on society.

YEARBOOK **2 semesters** **1 credit** **10-12**

PREREQUISITE: Teacher approval – All students interested in taking Yearbook are required to complete an application, interviews by the yearbook staff, and an essay. Students may take Yearbook multiple years with teacher/sponsor approval.

This course is designed to provide instruction in all facets of printed media production and will culminate in the printing of the annual

school yearbook. The course includes page layout, copy editing, reporting, advertising, photography, sales, record keeping and computer programming. To meet various production deadlines, students are required to put in extra time during and after school.

FINE ARTS DEPARTMENT

ART I 2 semesters 1 credit 9-12
PREREQUISITE: None

Art 1 is an introductory exploration of art materials and techniques. Projects involve keeping a sketchbook of the students development in drawing. Contour line, one point perspective, and still-life drawing will be emphasized. This course also includes hand built pottery construction and glazing techniques, poster design, open student projects, and more.

ART II 2 semesters 1 credit 10-12
PREREQUISITE: Art 1

Art 2 is a more intense study of career related art projects. Projects center around illustration techniques of drawing, painting, and printing with a variety of media. Advanced techniques in ceramics and computer graphics are also introduced to the student. Students will complete semester long sketchbook assignments.

ADVANCED ART 2 semesters 1 credit 11-12
PREREQUISITE: 3 semesters of Art 1 and/or 2

Advanced Art is a college bound course of study designed to equip the high school student with a quality portfolio. Advanced students work to achieve professional skills as they develop personal creative strengths and improve weaknesses. Projects include semester long sketchbook assignments, open student projects, jewelry, computer graphics and group projects.

CONCERT BAND 2 semesters 1 credit 9-12
PREREQUISITE: Approval of Instructor

The Concert Band is a continuation of the middle school program with more emphasis on public performances. Rehearsals will focus on music fundamentals and advanced performance practices. The band performs at all home varsity football games and also prepares for concerts, parades, and music festivals. Attendance at all performances is required for students selecting this class.

WIND ENSEMBLE 2 semester 1 credit 10-12
PREREQUISITE: Audition by Instructor is required.

The Wind Ensemble is a select concert group comprised of wind and percussion instrumentalists who welcome the challenge of performing advanced band literature of many styles. Membership is by audition only. Attendance at schedule performances is required for all students.

JAZZ ENSEMBLE 2 semesters 1 credit 11-12
PREREQUISITE: Teacher Approval

In Jazz Ensemble, a serious effort is made to promote the growth and performance of jazz and related styles of music. Attendance at scheduled performances is required for all students.

CONCERT CHOIR 2 semesters 1 credit 9-12
PREREQUISITE: Approval of Instructor/audition may be required.

This class is open to male and female students in grades 9-12. Recommended for freshmen and sophomores or first/second year music students. Concert Choir will focus on the study of music in a vocal performance setting. Emphases will be vocal technique, sight - reading, interpretation, communication, expression, and the skills necessary to work towards a common goal as a group. Students will participate in a minimum of four performances each year.

TREBLE CHOIR 2 semesters 1 credit 10-12
PREREQUISITE: Approval of Instructor/audition may be required.

This class is designed as an intermediate/advanced level vocal performance class. Recommended for female voices grades 10-12. Enrollment is by recommendation or audition. Previous music experience is necessary. Students can expect to work on the same focus areas as Concert Choir but in a more advanced setting. Students will be periodically expected to demonstrate part-singing in small groups in class, and will participate in at least four performances each year.

CHORALE 2 semesters 1 credit 10-12
PREREQUISITE: Audition only by Instructor

This is the most advanced vocal performance class and is designed for 16-24 advanced male and female students. Enrollment is by audition only. Previous music experience is necessary. Students can expect to sing challenging choral literature of many styles.

computer simulations.

FAMILY LIVING 1 semester .5 credit 12

PREREQUISITE: None

The skills students develop in this course will help them understand and improve family relationships. Marital preparation, communication techniques, life cycle stages, dealing with diverse modes of life, coordinating work and family life and the ability to recognize and/or cope with problems such as: abuse, divorce, family law, remarriage, aged family members and death are among the topics approached in Family Living.

PERSONAL LIVING 1 semester .5 credit 12

PREREQUISITE: None

This course focuses on social and personal issues that provide an opportunity for the student to better understand her/himself regarding their relationships with others and to their future life choices. Units dealing with developing self-awareness, problem solving, interpersonal relationships, single living and career explorations are included.

This course helps students to develop skills in managing finances, becoming an informed consumer and purchasing basic necessities. Personal Living allows the student to obtain self-knowledge and to practice the necessary skills for a successful and responsible life.

CONSUMER EDUCATION 1 semester .5credit 11-12

The content of this course helps students to develop skills in examining their consumer behavior, managing finances, becoming an informed consumer, purchasing basic necessities, purchasing big ticket items, and purchasing services and examining their role in the marketplace. Many of the tasks include use of a microcomputer and appropriate software.

MATHEMATICS DEPARTMENT

INTRO TO ALGEBRA 2 semesters 1 credit 9-12

PREREQUISITE: Middle School Recommendation.

This is the first year of a two-course sequence followed by Basic Algebra. This course stresses both the structure of algebra and the development of computational problem solving skills. Students study the structure and properties of real numbers, equations, inequalities, linear functions, systems and their graphs.

BASIC ALGEBRA 1 semesters .5 credit 9-12

PREREQUISITE: Middle School Recommendation.

Basic Algebra is the follow-up course to Intro Algebra and completes the two course sequence of Algebra I content. Topics include the study of monomials, polynomials, factoring, exponentials, radical equations, solving and graphing.

ALGEBRA I 2 semesters 1 credit 9-12

PREREQUISITE: Middle School Recommendation.

This course includes the study of first and second-degree equations and inequalities (solving and graphing), relations and functions, systems of equations, and irrational numbers, and exponential functions.

BASIC GEOMETRY 2 semesters 1 credit 9-12

Basic Geometry is a follow-up course to Intro Geometry and completes the three semester sequence of Geometry content. It will include triangles, quadrilaterals and circles, area and volume.

INTRO GEOMETRY 1semester .5 credit 9-12

Introductory Geometry is a course designed to present students with the basic vocabulary and concepts of Euclidean Geometry. These will include points, lines, planes and angles. Reasoning and proofs, parallel and perpendicular lines, congruent triangles and constructions will also be taught.

GEOMETRY 2 semesters 1 credit 9-12

This course includes the study of similarity and congruency, triangles, quadrilaterals and other polygons and circles, geometric constructions, formulas, coordinate geometry and three-dimensional figures. The inter-relationship between geometry, algebra and other fields of mathematics will be stressed. Emphasis is placed on the relationship between geometry and physical models in "practical applications."

ALGEBRA II 2 semesters 1 credit 9-12

PREREQUISITE: Algebra 1 (Class of 2010 - recommended C or better)

This course is a study of the integration of Algebra and Geometry. It includes the study of first and second degree equations and inequalities (solving & graphing), relations and functions, systems of equations, irrational numbers and matrices.

ADVANCED ALGEBRA and TRIGONOMETRY 2 semesters 1 credit 11-12

PREREQUISITE: Algebra 1 and Geometry (recommended B or better) or Algebra II

This course is a study of advanced Algebra, which is intended for college-bound students. It includes the study of first and second-degree equations and inequalities (solving and graphing), relations and functions, systems of equations and irrational numbers, exponential functions and logarithms, sequences and series, an introduction to trigonometry, matrices and combinations and permutations. Emphasis is given to the use of scientific and graphing calculators.

PRE-CALCULUS 2 semesters 1 credit 10-12

PREREQUISITE: Advanced Algebra and Geometry (recommended B or better)

Pre-calculus is a rigorous one-year college preparatory course, which includes the study of the structure of mathematical systems. concepts of linear algebra, a formal treatment of functions, trigonometry, the introduction to calculus and other selected topics traditionally offered in pre-college mathematics courses. This course is appropriate for all future college students, but is especially important for those planning professional careers in engineering, science, medicine, computer science or most technical vocations.

ADVANCED PLACEMENT CALCULUS 2 semesters 1 credit 11-12

PREREQUISITE: Successful completion of Pre-Calculus (recommended B or better)

This course is intended for students who have a thorough knowledge of college preparatory mathematics, including algebra. axiomatic geometry, trigonometry and analytic geometry (rectangular and polar coordinates, equations and graphs, lines and conics).

The Advanced Placement Calculus Test may be taken in May for possible college credit All students who receive a 73% "C" or higher will be awarded 1.0 honor point. Effectively, this means the AP courses will be on a five-point scale. Thus, an "A" would be a 5.0, "B" would be a 4.0. The computer grading system will do the automatic calculation (AP Courses will be set up on the system with a five-point scale).

PHYSICAL EDUCATION

BASIC PHYSICAL EDUCATION 1 semester .5 credit 9-10

PREREQUISITE: None

A required class for ninth grade students and to fulfill graduation requirements, it is a prerequisite for all other physical education classes. This course is designed to introduce students to a variety of team and individual sports, as well as physical fitness activities.

An eight-week unit on swimming is also part of the program. Emphasis is placed on improvement of the basic strokes and skills to help students reach a higher level of proficiency in the water.

WEIGHT TRAINING AND CONDITIONING Fall semester .5 credit 9-12

Spring semester .5 credit 9-11

PREREQUISITE: Successful completion of basic physical education.

Focus is on physical fitness, with an emphasis on cardiovascular endurance and strength training.

ADVANCED WEIGHT TRAINING AND CONDITIONING Fall semester .5 credit 9-12

Spring semester .5 credit 9-11

PREREQUISITE: Successful completion of basic physical education.

Focus is on physical fitness, with emphasis on muscle strength and endurance and on interscholastic, sport-specific skill development.

TEAM SPORTS 1 semester .5 credit 10-11

PREREQUISITE: Successful completion of basic physical education.

Focus is on development of skills, rules, and strategies within the context of games while participating in a variety of team sports.

LIFETIME SPORTS Spring semester .5 credit 12

PREREQUISITE: Successful completion of basic physical education.

Students will have an opportunity to choose from a variety of sports in which to participate, with a major emphasis on individual sports that can be enjoyed throughout an individual's lifetime.

SCIENCE DEPARTMENT

BIOLOGY I 1 semester .5 credit 9
PREREQUISITE: None

This course is designed to be an introduction to the study of living things, with an emphasis on the implications to the student's everyday life. Topics that will be covered include cell structure, the chemistry of life, energy transformations in living things (photosynthesis/respiration), classification of living things and the interdependence of living systems and the environment (basic ecology). All students must successfully complete this course for state and district requirements.

INTRODUCTORY CHEMISTRY 1 semester .5 credit 9
PREREQUISITE: None

This course will introduce the basic principles of Chemistry. Topics include: Structure and changes of atoms, families of elements as arranged on the Periodic Table, properties of matter, forms of energy, and energy transformation. This will all be covered through inquiry (experiments), reflection, and social implications.

BIOLOGY II 1 semester .5 credit 9-10

This course will expand on the student's knowledge of the cell, beginning with the process of cell reproduction (specifically mitosis and meiosis), and include the study of basic heredity. Topics include: How genetic material is passed from parent to offspring through sexual and asexual reproduction; how new traits may be established through changes in genetic materials (DNA), genetic engineering (including ethical implications of its use), natural selection/evolution, and a review of the geologic time line of the earth. All students must successfully complete this course for state and district requirements.

PHYSICS I 1 semester .5 credit 10-11

Physics I is the first part of a two course sequence followed by Physics II. This course introduces the essential content of physics. Through scientific inquiry and reflection, students will study motion, forces, energy forms and energy transformations.

PHYSICS II 1 semester .5 credit 11-12

Physics II is the second part of a two-course sequence preceded by Physics I. This course meets the state content expectations with math application. Students will be involved with waves, light, optics, sound, electricity and nuclear physics including the accompanying algebraic calculations.

ENVIRONMENTAL SCIENCE 1 semester .5 credit 11-12

This semester course is designed to address the major issues facing our environment. It will expose students to the knowledge and skills necessary for understanding how organisms, including humans, interact with the environment. The course will provide opportunities for students to identify and analyze environmental problems both natural and human-made (with an emphasis on Michigan and our local community), to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. The laboratory work for this course typically includes working in local ecosystems such as woods, rivers and ponds and may include activities such as orienteering and survival skills.

Note: The Environmental Science course meets the .5 science requirement needed in 11th grade for students taking Physics II in their junior year.

This course can be selected as an elective science course in 12th grade.

ANATOMY AND PHYSIOLOGY 2 semester 1.0 credit 11-12

In this, an in-depth, full year course, students will study the structure and function of the human body. Topics covered will be the body as a whole, medical terminology and body systems such as: cellular, cardiovascular, digestive, excretory, lymphatic, respiratory, and skeletal systems. There will be a focus on real world application and how the various systems can and do affect our lives. Research and laboratory processes will occur throughout the year and typically includes the dissection of preserved specimens that reinforce the curriculum.

Anatomy and Physiology is an elective science course option in 11th and 12th grade.

FORENSICS 1 semester .5 credit 11-12

Course Credit: 1 semester, .5 credit

Forensics is an introductory forensics science course designed to build upon science concepts. Students will experience scientific protocols for analyzing a crime scene through a variety of evidence. From the analysis of this evidence students will use basic principals and processes of scientific thinking and apply them to solve problems and draw conclusions.

Note: The Forensics course meets the .5 science requirement needed in 11th grade for

students taking Physics II in their junior year.

This course can be selected as an elective science course in 12th grade.

ADVANCED PHYSICS

1 Semester

.5 credit

11-12

Course Credit: 1, Semesters: 2

This college-prep physics course is a two-semester course designed for the student who has completed algebra and has had an introduction to the definitions of sine, cosine and tangent. It provides a detailed introduction to the methods and concepts of general physics. Heavily emphasizing vector analysis, this course and text is ideal preparation for a university-level physics course. First semester provides the student with a strong background in one-dimensional and two-dimensional motion, Newton's Laws and their application, gravity, work, mechanical, potential and kinetic energy, and momentum. Second semester provides the student with a strong background in periodic motion, waves, sound, electromagnetic fields, optics, electrostatics, electrodynamics, electrical circuits and magnetism.

CHEMISTRY

1-2 semester

.5-1.0 credit

10-12

PREREQUISITE: Sophomores must have a B or better in Algebra I or Geometry and a B or better in Biology I & II, with teachers recommendation in math & science.

This laboratory-oriented course will cover the following topics: the nature of the atom, the periodic table, chemical calculations, chemical bonds, chemical reactions, states of matter and solutions, acids, bases and salts, oxidation-reduction reactions and organic and biochemistry. The student will further develop skills in problem-solving, analytical thinking, team work and laboratory technique.

ADVANCED PLACEMENT PHYSICS

1 semester

.5 credit

11-12

PREREQUISITE: Teacher/Counselor Approval

The advance placement physics is a highly mathematical description of physics. The curriculum is the same curriculum found in a first year college program.. This includes mechanics (motion and force), thermodynamics (heat and work), sound, light, electricity, and modern physics. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made in introductory college courses. **Students are expected to take the AP Exam when it is administered.** All students who receive a 73% "C" or higher will be awarded 1.0 honor point. Effectively, this means the AP courses will be on a five-point scale. Thus, an "A" would be a 5.0, "B" would be a 4.0. The computer grading system will do the automatic calculation (AP Courses will be set up on the system with a five-point scale).

SOCIAL STUDIES DEPARTMENT

GLOBAL ISSUES

1 semester

.5 credit

9-12

PREREQUISITE: None

The purpose of this course is to show the ways physical, economic, and cultural geography affects regions of the world. Students will examine problems and issues which are shared by people of the world. The fact that many problems and issues are beyond national scope will be stressed, giving students the opportunity to perceive that nations are interconnected.

Students will examine geographical regions, cultures, and economies. They will discuss issues unique to a region. They will expand their understanding of global connections by examining some of the following issues: human rights, peace, conflict, armaments, world trade and economic development, natural resources and conservation, population, food and hunger, religious issues, and technology. Students will recognize that many problems faced in their own localities are experienced by people worldwide.

UNITED STATES HISTORY

2 semesters

1 credit

9

The purpose of this course is to increase students' knowledge of the development of the United States as a democratic nation. The course is organized as a chronological survey of the American past from Reconstruction, with emphasis on major events, individuals, ideas and problems comprising the American heritage. Political, economic and social aspects of the American experience are all included.

SOCIOLOGY (Offered every other year)

1 semester

.5 credit

10-12

PREREQUISITE: None

The purpose of this course is to acquaint students with sociology as a social science discipline and to relate this knowledge to the problems of living in a complex society.

Students will gain knowledge about the characteristics of society and culture, the process of socialization, the structure of social organization and the challenges of social change. Students will acquire a vocabulary of sociological concepts, an understanding of theories of human relationships and a working knowledge of methods of investigation. Students will develop an appreciation for sociology as a

means to understand society.

ADVANCED PLACEMENT U.S. HISTORY

2 semesters

1 credit

10-12

PREREQUISITE: None

The purpose of AP U.S. History is to provide a program of in-depth study of U.S. History while developing reading, writing, analytical, and problem solving skills. The course is designed for students who wish to pursue college level studies, or who wish to get college credits (by passing the AP exam), or for students who have a strong interest in history. Students are expected to study more, read more, write more, and discuss much more than in other history classes. Students are expected to take the AP exam in May. This test, given by the College Board, will make it possible for students to gain some college credit for this course. Students, who select AP U.S. History in lieu of U.S. and Michigan History, must take this course in grades 10 or 11. All students who receive a 73% "C" or higher will be awarded 1.0 honor point. Effectively, this means the AP courses will be on a five-point scale. Thus, an "A" would be a 5.0, "B" would be a 4.0. The computer grading system will do the automatic calculation (AP Courses will be set up on the system with a five-point scale).

WORLD HISTORY

2 semesters

1 credit

10

The World History course integrates the study of world history and geography. Students will study the following eras as they explore the human experience over time and space: Expanding Hemispheric Interactions (300-1500 C.E./A.D.); The First Global Age (15th to 18th Centuries); Global Revolutions (18th Century – 1914); Global Crisis and Achievement (1900-1945); and the Cold War (the 20th Century since 1945).

CURRENT EVENTS

1 semester

.5 credit

11-12

PREREQUISITE: None

The purpose of this course is twofold: (1) to expand the students' vision of the major issues and trends throughout the world, (2) to increase students' knowledge of current relationships between the United States and other countries.

PSYCHOLOGY

1 semester

.5 credit

11-12

PREREQUISITE: None

The purpose of this course is to acquaint students with psychology as a social science discipline. Students will become familiar with basic concepts and vocabulary, methods of investigation and theories of human behavior.

The students will gain knowledge about the effects on human behavior of motivation and emotions; learning, thinking and memory; sensation and perception; personality and intelligence; biology and the brain; and altered states of consciousness. Students will also be made aware of variations in development leading to psychological abnormalities.

GOVERNMENT

1 semester

.5 credit

11

The purpose of this course is to develop an understanding of the structures, forms and functions of government. Students will consider both the rights and responsibilities inherent in citizenship in a democratic society. Students will gain knowledge of the United States Constitution, civil liberties, structure of the national government, as well as, the process of political participation.

ECONOMICS

1 semester

.5 credit

11

In this class you will be learning: fundamental economic concepts (decision making, economic systems, business organizations, economic institutions), microeconomics (demand, supply, prices, competition, market structures, role of government), macroeconomics (sources of government revenue, government spending, federal reserve system, financial investments), and global economics (international trade, comparative economic systems, global economic challenges.)

TECHNOLOGY EDUCATION DEPARTMENT

INTRODUCTION TO TECHNOLOGY

1 semester

.5 credit

9-12

PREREQUISITE: None

This course is an introduction to the various pieces of hardware and software that students will be using in the technology program. Students will work with computers, robotic arms, audio and video recording equipment and CNC machines. Other areas include drafting/CAD, word processing, electronics and machine use and safety.

ENGINEERING IN PHYSICAL TECHNOLOGY

1 semester

.5 credit

9-12

PREREQUISITE: Introduction to Technology

Physical Technology involves the design, construction and testing of products made from non-living materials such as plastic, wood, ceramics, etc. as well as the production and distribution of energy.

Through hands-on, problem-solving activities, students will explore technological problems and look for creative solutions. Areas of study may include CNC (Computer Numerical Control), Robotics, Solar Energy, Aerodynamics, Mass Production, CAD (computer aided drafting) and more.

*Grades 11 and 12 with instructor approval

ENGINEERING INFORMATIONAL TECHNOLOGY

1 semester

.5 credit

9-12

PREREQUISITE: Introduction to Technology

Informational technology is the use of computers, video equipment, tape recorders, etc and methods of collecting, processing, storing, delivering and/or transmitting information.

Through hands-on, problem-solving activities, students will study the areas of technology which use informational processing. Studies and activities may include CAD (computer aided drafting), Video Production, Lasers, Electronics, Satellite Communications and **more**.

*Grades 11 and 12 with instructor approval

ENGINEERING IN BIO-RELATED TECHNOLOGY

1 semester

.5 credit

9-12

PREREQUISITE: Introduction to Technology

Bio-related Technology has enabled society to create new products that improve health and protect the environment.

Through hands-on, problem-solving activities, students will research and construct models that demonstrate possible solutions to problems. Areas of study may include Artificial Limbs, Hazardous Waste, Pollution, the design of alternative environments such as the Biosphere and/or space equipment and more.

RESEARCH AND DEVELOPMENT (Every Other year) **2 semesters**

1 credit

11-12

PREREQUISITE: 2 Engineering Technology Classes with C or better (Intro Tech does not count as 1) OR Instructor Approval

Engineering Research and Development is an action-based course that provides students the opportunity to do advanced research and development activities in one or more of the technology education areas of physical, informational and bio-related technologies. Students are involved in active research, collecting data, problem-solving, designing, developing prototypes and making working models.

A student or small groups of students are able to creatively pursue new knowledge and exercise open and close ended problem solving in attempts to find solutions to societal and technological problems. Examples of students results will be: prototypes, models, market research, working drawings on a computer, computer simulations, design and engineer products and technical presentations.

*Grade 10 with instructor approval

WORLD LANGUAGE DEPARTMENT

FRENCH I

2 semesters

1 credit

9-12

PREREQUISITE: A "C" or better in English is recommended.

This is a beginning course providing elementary practice in speaking, listening to, reading and writing the language. The student is made aware of the French lifestyle and customs as well as the influences of France through food, music, films, discussion and possibly field trips. Daily study is necessary to be successful in this course. Student projects will include a scrapbook.

FRENCH II

2 semesters

1 credit

9-12

PREREQUISITE: A "C" or better in French 1 is recommended.

This course is a continuation of French 1 with more advanced conversation, reading, writing, and language structure. Besides using textbook materials, there are supplementary readings and individual and group projects. Student projects may include a French children's story.

FRENCH III

2 semesters

1 credit

9-12

PREREQUISITE: A "B" or better in French 2 or teacher approval

This course is a continuation of French 2 with greater use of conversational French and more advanced composition. The study of grammar is continued and basic structure is reviewed. Reading includes short stories, articles on contemporary issues and a French novel. Individual and group projects will help develop speaking and comprehension skills. Student projects may include a short novels paper.

FRENCH IV

2 semesters

1 credit

9-12

PREREQUISITE: French 3 and teacher approval

In this fourth level course French grammar is reviewed. The student will continue to develop conversational, reading and writing skills.

Students read selections on contemporary topics about French culture. When possible, students will complete a poetry paper.

SPANISH I 2 semesters 1 credit 9-12

PREREQUISITE: A "C" or better in English is recommended

This is a beginning course providing elementary practice in speaking, listening to, reading and writing the language. Students are introduced to the Hispanic culture through music and videos. Individual and group projects will teach culture as well as vocabulary and structure.

SPANISH II 2 semesters 1 credit 9-12

PREREQUISITE: A "B" or better in Spanish 1 is recommended

This course is a continuation of Spanish 1 with more advanced conversation, reading, writing and language structure. Besides using textbook materials, there are supplementary readings and individual and group projects.

SPANISH III 2 semesters 1 credit 9-12

PREREQUISITE: A "B" or better in Spanish 2 or teacher approval

This course is a continuation of Spanish 2 with greater use of Spanish in the classroom and more advanced composition. The study of grammar is continued and basic structure reviewed. Readings include short stories and Spanish novels. Individual and group projects will help develop speaking and comprehension skills.

SPANISH IV 2 semesters 1 credit 9-12

PREREQUISITE: Spanish 3 and teacher approval

In this fourth level course, Spanish grammar is reviewed. The student will continue to develop conversational, reading and writing skills. Students read selections on Hispanic culture, short stories and novels. There are individual and group projects.

MISCELLANEOUS

DUAL ENROLLMENT

Dual Enrollment is a program that extends educational learning options for students who qualify to take classes at a post secondary institution (SC4 for example) while attending high school. Fees for eligible students will be paid for by the school district in accordance with the requirements of the Post Secondary Enrollment Options (PSEO) Act of 1996. For complete details on eligibility and application, contact the counseling office or principal.

SPECIAL EDUCATION

Special Education services are available for those students who are eligible under Special Education guidelines. A program, which may include both general and special education classes will be developed through an Individualized Education Placement Committee. Parents are invited to participate in this process. Course descriptions of Special Education **class offerings are available on request.**

DISTANCE LEARNING CLASSES 1 to 2 yrs. 1 to 4 credits 11-12

PREREQUISITE: Students interested in Distance Learning Classes must demonstrate self-discipline & responsibility, have good study skills, have a GPA of 3.0 or higher, have grades of B- or higher in the content area of the class they are requesting, no attendance/tardy/citizenship problems, and they must have the approval of the high school principal. The availability of distance learning classes may depend upon home sites, remote sites, classes offered and scheduling conflict.

German I, II, (first and second year)

Students learn to speak German through short memorized dialogues, class conversations, listening exercises and vocabulary enrichment. Pronunciation skills are developed while simple projects help to develop writing skills.

German III (third year)

This class is intended to expand the vocabulary and sentence structure competencies developed in German I and II. Students will be able to function in a variety of situations such as shopping, traveling, vacationing, food buying and preparation, working with currency and others in German. Students will be expected to learn dialogs or vocabulary related to these situations and to comprehend reading material by the end of the course.

Spanish III (third year) and Spanish IV (fourth year)

This class is a continuation of second/third year Spanish. Students will learn verb tenses, advanced grammar and vocabulary

terms. Students will experience lessons on reading, writing, listening and speaking skills.

Japanese I and II (first and second year)

This course is designed to develop skills in reading, writing, speaking, and listening in the Japanese language. Historical and modern aspects of the Japanese culture will also be explored. The second year is a continuation to expand skills and vocabulary in reading, writing, speaking, and listening in the Japanese language.

ST. CLAIR COUNTY TECHNICAL EDUCATION CENTER

1 to 2 yrs.

3 to 6 credits

11-12

PREREQUISITE: Complete TEC application form; school committee selects students according to available slots.

The programs at the St. Clair County TEC Center supplement the regular curriculum of the ten high schools in the county with courses designed to meet the increasing special needs, interest, and abilities of their students through more specialized training for entry into careers upon high school graduation. For those students who desire additional training beyond high school, the TEC Center offers an excellent basic program from which the student may gain the necessary prerequisites for additional technical or academic training. Good attendance is a prerequisite. Students must fill out an application and parents must sign this form. Only 11th and 12th graders are eligible. Cosmetology students must attend classes on Saturdays and during the summer between the 11th and 12 grades. For most of the contracted programs a student must provide his/her own transportation to the employer's business.

Automotive Technology –A NATEF Certified Program

First year students are trained in vehicle maintenance, braking systems, suspension, and steering. Second year students study electrical systems and engine performance and repair.

Business, Management and Administration - Students learn about the business world through word processing, databases, spreadsheets, and presentation software. Students will have the opportunity to achieve the Microsoft Office Specialist Certification and may also complete accounting /finance competencies.

Collision Repair – A NATEF Certified Program

Learn basic elements of body repair including vehicle preparation (sanding and grinding), welding, metal refinishing and multi-stage paint systems, body filling, and fiberglass repair.

Construction/Building Technology - In the classroom students learn theory related to carpentry, electrical, and plumbing. Hands-on training is provided in the construction lab and at a residential construction site where students build a three-bedroom house.

Cosmetology - The cosmetology program requires students to complete 1,500 hours of training. The program prepares students to become a State licensed cosmetologist. Students must become proficient in perms, haircuts, manicures, pedicures, facials, and hair coloring. Students must be high school juniors to enroll.

Culinary Arts - This program offers training in commercial food preparation and hospitality. Students receive instruction in a variety of cooking and baking techniques while preparing staff and student meals, banquets, and business luncheons.

Digital Media Technology - Students learn introductory video and audio production techniques leading to the development of basic skills in digital media technology, including: audio, lighting, editing, videography, script writing and pre- and post-production work.

Drafting Technologies - Students learn to produce detailed drawings used in architecture, manufacturing, automotive design, and engineering. Students use various types of software to digitally produce drawings and learn to create three-dimensional renderings.

Electronics - Students learn analog, digital, and electronic circuits, semiconductors, and AC/DC theory. Theory is applied through hands-on laboratory experiments and computer simulations.

Employer-Based - Students receive training directly from business and industry personnel at their facility. A TEC coordinator makes regular visits to the site. Students follow a pre-established curriculum and return to TEC one day a month to meet with their coordinator. There are over 30 programs from which to choose.

Health Careers - Students selecting the Allied Health course will explore medical careers in a clinical setting. Students selecting the Nursing Assistant course will begin training toward state certification and may be eligible for paid capstone work-based learning experience during the second year. As a second-year option, all students may be considered for a full-time internship at a medical facility in one of 41 programs.

Information Technology - First-year students learn A+ software and hardware support and basic network administration at TEC. Eligible second-year students attend Baker College and study advanced network administration.

Mechatronics - Students gain knowledge through training in basic electronics, hydraulics, pneumatics, programmable controls, and automated systems. Skills will be developed in troubleshooting, repair, preventative maintenance, and system design.

Metal Machining Technology - Learn to produce precision metal products from raw materials by cutting and shaping steel, brass, and aluminum into various sizes and configurations using specialized tools and equipment. Students will learn CNC programming and operation.

Public Safety - Explore public safety occupations and complete introductory training in correction services, emergency and fire management services, security and protective services, law enforcement services, and legal services. Students must be high school juniors to enroll.

Welding - Students learn various welding techniques such as MIG, TIG, Arc, and oxy-acetylene. Learn to weld in a variety of positions using a variety of techniques and materials such as steel, stainless steel, and aluminum.