



HOWELL HIGH SCHOOL

2016 - 2017 COURSE GUIDE 9th - 12th grades

WEBSITE: www.howellschools.com

Howell High School
10-12 Campus
1200 West Grand River Avenue
Howell, MI 48843
Guidance Phone Number 517-540-8313
Fax Number 517-548-6210
Howell High School Code: 232-030

Howell High School
Freshman Campus
1400 West Grand River Avenue
Howell, MI 48843
Guidance Phone Number 517-548-6268
Fax Number 517-545-1439

MISSION STATEMENT

Howell Public Schools is an exemplary learning community committed to maximizing every student's success.

VISION

Empowering students to be successful citizens.

This Course Guide is published by the Guidance Office.
Updated: 03-17-16

TABLE OF CONTENTS

Michigan Merit Curriculum.....	3
High School Graduation Requirements	3
Guidance Office	4
Class Ranking Procedures	4
Testing Out Procedures.....	4
Repeating Courses	4
Promotion Procedures.....	4
Grading Scale.....	5
Procedures for Dropping and Adding Courses	5
Four-Year High School Plan.....	6
Career Pathways	7
On-the-job Credit.....	8

COURSE DESCRIPTIONS

Air Force Junior ROTC	9
Applied Industrial Technology Education.....	10-12
Applied Technology Education (LATEC).....	13-16
Business Services Technology.....	17-18
Computer Science	19
English Course Recommendations	20
English	21-23
English Electives.....	24-25
Family and Consumer Sciences	26-28
Mathematics	29-31
Music: Instrumental	32
Music: Vocal.....	33
Non Departmental.....	34
Physical Education.....	35-36
Science	37-40
Social Studies.....	41-43
Visual Arts	44-46
World Language.....	47-49
Dual Enrollment.....	50-52
4 th Year Mathematics Experience Courses	53
Visual, Performing, Applied Arts Courses	54
INDEX	55

<p>.50 CREDIT = 1 semester 1 CREDIT = both semesters / full year 2 CREDITS = 2 HOUR BLOCK / both semesters / full year 3 CREDITS = 3 HOUR BLOCK / both semesters / full year</p>
--

NOTE: Courses may be canceled due to lack of sufficient enrollment or financial reasons.

This guide will assist students in selecting courses, which will help them reach their goals. It informs students and parents of what is offered and it aids students in selecting courses, which fit their individual abilities and career pathways. Before selecting courses and programs, students should consult with teachers, counselors, and their parents.

MICHIGAN MERIT CURRICULUM HIGH SCHOOL GRADUATION REQUIREMENTS

To prepare Michigan’s students with the knowledge and skills needed for the jobs in the 21st Century, the State of Michigan has a rigorous set of statewide graduation requirements that are among the best in the nation. Students will be well-prepared for future success in college and the workplace. The Michigan Merit Curriculum requires students to obtain a minimum of 18 credits for graduation, which could be met using alternative instructional delivery methods such as alternative course work, humanities course sequences, career and technology courses, industrial technology or vocational education courses, or through a combination of these programs.

HIGH SCHOOL GRADUATION REQUIREMENTS

English/Language Arts	4 Credits	(8 semesters)
Social Studies	3 Credits	(6 semesters)
<i>.5 Civics</i>		
<i>.5 Economics</i>		
<i>1.0 US History/Geography</i>		
<i>1.0 World History/Geography</i>		
Mathematics	4 Credits	(8 semesters)
<i>1.0 Algebra I</i>		
<i>1.0 Geometry</i>		
<i>1.0 Algebra 2</i>		
<i>1.0 additional Math or Math related credit</i>		
Science	3 Credits	(6 semesters)
<i>1.0 Biology</i>		
<i>1.0 Chemistry or Physics</i>		
<i>1.0 additional Science credit</i>		
World Language	2 Credits	(4 semesters)
Health	.50 Credit	(1 semester)
Physical Education	.50 Credit	(1 semester)
Visual, Performing, Applied Arts	1 Credit	(2 semesters)
Electives	4 Credits	(8 semesters)
TOTAL FOR GRADUATION	=	MINIMUM OF 22 CREDITS

The Michigan State Board of Education requires that all students, including special education students and students who have a section 504b plan, complete one of the State of Michigan assessments prior to graduation. These assessments are Michigan Merit Exam MME-SAT, MI-ACCESS or WIDA.

- * **HEALTH EDUCATION COURSE:** Health Education is a required course for graduation. Under certain criteria, the local board policy allows for board approved alternative credit for the health education requirement. Parents wishing to pursue this policy should communicate their reasons in writing to their counselor, with building principal approval before registration.
- * **REPRODUCTIVE HEALTH UNIT:** In accordance with PA335 (1993) and PA 336 (1993), parents have the option of excluding their children from instructional units in health education dealing with HIV, sexually transmitted disease education, sex education and human growth and development without penalty. Teachers will notify parents of this option again at the beginning of the semester. Parents have the opportunity to review the curriculum materials to be used in the reproductive health unit prior to instruction.
- * **HEALTH PARENT MEETINGS:** Parents are asked to attend a meeting held at Howell High School.

GUIDANCE OFFICE

The Guidance Office provides students with the following services: guidance in academics, social or personal problems; information on test interpretation; educational planning; careers assessment; information on colleges and scholarships.

CLASS RANKING PROCEDURES

Class rank is determined by calculating each student's cumulative grade point average. Final senior class rankings are determined at end of their 8th semester. Class Valedictorian(s) will be determined at the second decimal. In the event, that there are two or more Valedictorians, a Salutatorian will not be recognized for that graduating class. Grades for AP classes are weighted at the completion of each semester. Student with "NM" no mark on transcript will not be considered for Valedictorian or Salutatorian.

TESTING OUT PROCEDURES

Public Act 335 of 1993 states that high school credit may be earned in any course offered by the school through testing out. This applies to all Howell High School courses with the exception of courses lower in sequence of those already passed. This "credit" verifies proficiency of the course objectives. A grade of 77% or higher is needed to have this credit appear on the high school transcript. Failure to earn a 77% or better will not be reflected on the transcript. Testing can not be used to replace a grade earned in a course already taken. It will serve as credit only. Students cannot test out of a class in which they are enrolled in.

Students will have the opportunity to test out based upon completion of the application process. Students may sign up to test out of a course in the guidance office at the end of the school year.

Students must pick up testing materials in the Media Center (present 8th graders at Freshman Campus, all others at the 10-12 Campus) during the week indicated on registration form. All materials must be returned the day of testing as a condition of testing out. Testing out is a lengthy affair. Students wishing to test out of an entire year of class will take two exams. Students are given up to two hours to test out for each registered course. Students taking more than one exam will receive a 30-minute lunch break between tests. Students are welcome to bring quiet snacks to eat while testing.

REPEATING COURSES

Students can retake a course for a higher grade, but can only receive credit for it once. The transcript will reflect only the higher grade. For enrollment, preference will be granted to students who have not yet taken the course.

PROMOTION PROCEDURES

9th to 10th grade: A student must have accumulated at least 5 credits.

10th to 11th grade: A student must have accumulated at least 10 credits.

11th to 12th grade: A student must have accumulated at least 16 credits.

GRADING SCALE

		<u>Non-Weighted</u>	<u>Weighted</u>
A	=93-100	(4.000)	(4.400)
A-	=90-92	(3.667)	(4.034)
B+	=87-89	(3.333)	(3.667)
B	=83-86	(3.000)	(3.300)
B-	=80-82	(2.667)	(2.934)
C+	=77-79	(2.333)	(2.566)
C	=73-76	(2.000)	(2.200)
C-	=70-72	(1.667)	(1.834)
D+	=67-69	(1.333)	(1.466)
D	=63-66	(1.000)	(1.100)
D-	=60-62	(0.667)	(0.730)
F	=59 & below	(0.000)	

Class rank and grade point average are based on the above.

PROCEDURES FOR DROPPING AND ADDING COURSES

Master schedule decisions, including how many sections of each individual class will occur, are based on the course selections of the students. All class choices are firm commitments for the school year. This is especially true of yearlong classes. Schedule changes may be requested during the summer orientation week or within the first five school days of each semester. Once the five day window has closed, the only class changes considered will be due to academic failures or scheduling errors. These will be corrected by the student's counselor. Students will not be permitted to drop a yearlong class at the semester break or a semester class prior to the end of the semester, unless there are extreme circumstances determined by an administrative review. Administration reserves the right to change student schedules due to disciplinary reasons. Schedules may change at the beginning of semester two. Every effort will be made to preserve teachers in year long classes.

In general, schedule changes are only allowed for the following reasons:

1. The schedule does not account for work already completed (in summer school or prior semesters).
2. The schedule contains an inappropriate course level. The change must take place within the first six weeks of the school year. The following steps must be documented for the leveling change to occur:
 - a. Conversations between teacher and student.
 - b. Conversations between teacher, parents/guardians and counselor.
 - c. An action plan to address difficulties.
 - d. Administrative review.
3. The schedule does not include a course that must be taken now to meet a graduation requirement.
4. The schedule contains too few courses or reflects an error caused by a previous schedule change.

All students must attend the classes on their current schedule until the classes are rescheduled. Attendance and academic records will be forwarded to the new classes, if applicable.

HPS Policy requires that all HHS students have a full schedule with 7 class periods, regardless of the number of credits still needed for graduation.

HOWELL HIGH SCHOOL FOUR-YEAR PLANNING GUIDE

CAREER PATH: _____



GRADE	English	Social Studies	Math	Science	World Language / Elective	Elective	Elective
9 th							
10 th							
11 th							
12 th							

A four-year plan should reflect alignment with each student’s career pathway, and represent a plan of action that will lead to success beyond a high school education. It should reflect your goals for the future, your abilities, and your special areas of interest. Your plan will need to be revised frequently as any or all of the factors might change.

Using this form, design your four-year high school plan. Consult with your parents, teachers, and counselor for assistance.

To see a sample Four Year plan, [click here](#).

CAREER PATHWAYS

What is your career path?

Courses in this guide are marked according to the career pathways listed below.

AC

Arts and Communication

Persons choosing this pathway:

are imaginative, creative, innovative & flexible, outgoing, competitive, enthusiastic & self-confident
have good writing & speaking skills, decision-making & problem solving skills
can express thoughts clearly & simply and work independently
have artistic or musical ability
like to express thoughts, feelings or ideas

BMMT

Business, Management, Marketing and Technology

Persons choosing this pathway:

possess leadership skills
enjoy planning & directing and make sound judgments
find it easy to meet & talk with new acquaintances and think logically & make decisions
have effective human relations skills and good communications skills
can analyze, compare & interpret facts & figures quickly

EMIT

Engineering/Manufacturing and Industrial Technology

Persons choosing this pathway:

are visually oriented & can understand spatial relationships
have good observation skills and possess good communication skills
can work either independently or with a team
can design & create original ideas, are analytical & detail oriented
can diagnose & solve complex mechanical problems, possess a mechanical aptitude & ability to work with tools

HES

Health Sciences

Persons choosing this pathway:

care about people, their needs, and their welfare, intrigued by the human body & its functions
value a healthy body for self & others, are able & willing to follow detailed instructions
have manual dexterity & good eyesight and enjoy being a member of a team
have good interpersonal skills and an aptitude for working with electronic equipment
can work efficiently under stressful conditions

HUS

Human Services

Persons choosing this pathway:

are imaginative, creative, innovative & flexible, outgoing, competitive, enthusiastic & self-confident
have good writing & speaking skills, can express thoughts clearly & simply
can work independently
have artistic or musical ability, decision-making & problem solving skills
like to express thoughts, feelings or ideas

NRA

Natural Resources and Agriscience

Persons choosing this pathway:

enjoy working with plants, fish, animals, or other components of nature
are concerned about the environment and like to work outdoors
enjoy science classes
like a variety of challenges
possess the managerial skills & business knowledge or organize & operate a business

ON-THE-JOB CREDIT

Work-Based Learning Credit may be earned through CO-OP or INTERNSHIP placements. Students have the option to be released from school early to participate in the work-based learning program.

Students are employed by a business that agrees to provide on-the-job training that correlates with concurrent classroom instruction. Work-based learning experiences can help a student make career decisions, network with potential employers, select courses of study and develop job skills relevant to future employment. Through the interaction of work and study experiences, students can enhance their academic knowledge, personal development and professional preparation. The school coordinator monitors the student's work performance.

The following options are available:

- Early release is available for eligible juniors and seniors
- Students may earn up to 3 credits per year
- Credits can be earned during school, early release, or after school as evenings or weekend hours.

To enroll in the CO-OP or INTERNSHIP program, the following must be met:

- All paperwork is complete on due date determined by school coordinator
- Student is concurrently enrolled in a related course approved by the school coordinator (see course description for a list of approved courses)
- Training site is approved by school coordinator
- Training relates to students course of study and career pathway
- Student averages 10 hours of work per week or 15 hours per week in enrolled for 3 hours
- Employer/student/parents agree to program policies
- Student is junior or senior status

AIR FORCE JUNIOR ROTC

1110 JROTC: 9, 10, 11, 12 1 CREDIT
AEROSPACE SCIENCE AND LEADERSHIP EDUCATION

Career Pathway:

Cultural Studies: This is a customized course that introduces students to the different cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Leadership Education 200 stresses communication skills and cadet corps activities. Instruction is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Wellness training consists of exercisers that will increase your flexibility, strength and overall physical condition. AFJROTC is not a military recruitment program and has no military obligation related to this class. This class is a Leadership and Citizenship Program.

1119 JROTC: 10, 11, 12 1 CREDIT
MANAGEMENT OF THE CORPS

Career Pathway:

Prerequisite: Completed one year of Air Force Junior JROTC & Approval of the Senior Aerospace Science Instructor

This senior level curriculum consists of management of the Cadet Corps. The cadets in this course run the entire AFJROTC program during the academic year. The hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice. The cadets utilize their communication, decision-making, personal interaction, managerial, and organizational skills. Leadership Education 200 stresses communication skills and cadet corps activities. Instruction is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Wellness training consists of exercises that will increase your flexibility, strength and overall physical condition. AFJROTC is not a military recruitment program and has no military obligation related to this class. This class is a Leadership and Citizenship Program.

APPLIED INDUSTRIAL TECHNOLOGY EDUCATION

A Certificate of Completion, complete with the vocational and technical skills attained, will be issued to students who earn a 2.0 or above in the applied technology classes. These certificates should become a part of the student's permanent portfolio.

The Applied Technology Courses meet the State Requirements of one credit of Performing, Visual or Applied Arts.

609 ADVANCED TV / VIDEO PRODUCTION 10, 11, 12 .50 CREDIT

Career Pathway: EMIT, AC, BMMT

Prerequisite: Grade of "C" or better in Introduction to TV / Video Production (608), Photography I (940), or Digital Imaging (943)

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year when taken with 608 Introduction to TV / Video Production.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

Advanced TV/Video Production course provides students with an opportunity to gain extensive video production field-work and video editing experience. Students participating in this course not only are in a traditional high school class setting, but filming and producing live events. Students will meet course requirements by attending and filming school events, such as sporting games, plays, concerts, etc.; and editing footage. Student will use online technologies to communicate and track progress in course. It is recommended that students complete TV/Video Production or Digital Video. This course has been approved to meet the visual/performing/applied arts credit.

1604 CAD DESIGN 10, 11, 12 2 CREDITS

Career Pathway: EMIT

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

This two-year design course has been created as an opportunity for you to learn the necessary skills and knowledge acquired to help prepare you for a career in the area of mechanical engineering. In this course you will be exposed to key facets of mechanical product design and will develop an understanding of the unique requirements of this profession.

To achieve this goal:

1. Developing your ability to use latest state-of-the-art CAD Software such as NX 8, Solidedge, Inventor, and AutoCAD 2013.
2. Developing your ability to understand and apply engineering and scientific principles to solution of real-world problems;
3. Developing your ability to understand the unique requirements in design of mechanical products and services;
4. Developing your ability to effectively communicate in the product design process through CAD drawings and manufacturing;
5. Developing your ability to construct and design of mechanical parts using CAD/CAM software (MasterCAM & BOBCAD); and the ability to manufacture engineering parts using a 3D printer, WaterJet cutter, Router, and CNC mill and lathe, which allows students to see their work come alive.
6. In addition, students will be working on various math and physics worksheets. Plus, they will be required to write Cover letters, Resumes, Thank you letters, and complete a portfolio. Also, though various design-related topics and tools that will be discussed throughout this two-semester course, all students will be required to complete a full set of engineering drawings, which consists of an assembly drawing and details. My goal is for all students to participate in Michigan Industrial Technology Educational Society (MITES) to compete their yearly projects, which will provide exposure to and pride for their hard work.

Deliverables:

Your major curriculum for the fall semester is 1) Learn CAD software through tutorials, then develop a complete set of engineering drawing creating an assembly drawing and details. 2) Design and apply the skills learned in the previous semester to create an engineering practical project. These two deliverables logically represent a large portion of your grade. However, your grade will be supplemented by individual and group-based worksheets, class participation, and projects.

1620 CONSTRUCTION TRADES 10, 11, 12 2 CREDITS

Career Pathway: EMIT

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

Construction Trades is a course designed with a pre-apprenticeship style of learning, utilizing on the job training. The students will learn concepts in the construction trades through hands on activities in the following disciplines: surveying, carpentry, roofing, electrical, plumbing, drywall, and painting. Throughout this year long course, students will learn how to construct an entire home from the foundation to the finished product. This experience will allow students the opportunity to decide on a particular trade, for example, a carpenter, electrician, or a plumber.

1794 FIREFIGHTERS 1 AND 2 11, 12 3 CREDITS

Career Pathway: EMIT

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

This course fulfills the MMC graduation requirement toward 1.0 credits of additional science.

This elective will provide students an opportunity to receive State of Michigan Firefighters 1 and 2 training beginning as early as 16 years of age, and to possibly receive their State certification upon turning 18. Firefighters 1 and 2 is a one school-year course that blends a combination of classroom knowledge and firefighter practical skills necessary for successful completion of the State certification.

Interested students must meet:

- Face-to-face interview for acceptance into Firefighter 1 and 2
- Academic criteria – must be on-track for their graduating Class
- 90% minimum attendance for State of Michigan Firefighter Certification
- Commitment to one 8-hour Saturday training session each month throughout the school year

605 INTRODUCTION TO ENGINEERING 10, 11, 12 .50 CREDIT

Career Pathway: EMIT

Recommended prior to taking Vocational Blocks.

Freshmen must be enrolled in Algebra 1 or a higher level math class.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

This demanding class is self paced and learner directed. It is a part of the Engineering/Manufacturing and Industrial Technologies Career Path Way. It is also aligned with Applied Technology Vocational Programs. It is an overall exposure to the pathway. The major component is the utilization of Amatrol Modules in areas such as: AC/DC, PLC, Structures, Pn, Robotics, Mechanisms, Quality Assurance and Applied Thermal. In addition, students will be exposed to many other areas that involved technical math, technical science and applications of the same. Pre-requisites include a safety attitude, mature behavior and the disposition to function in group settings and problem solve.

608 INTRODUCTION TO TV / VIDEO PRODUCTION 10, 11, 12 .50 CREDIT

Career Pathway: EMIT, AC, BMMT

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year when taken with 609 Advanced TV / Video Production.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

This class is a hands-on class that will provide students with an overview of television and video production. Students will learn about the tools and technology required to put together several different types of television and video projects. Students will then gain a working knowledge of a news broadcast. Students will plan, create, format, and evaluate television and video production. Projects that are relevant to the television and video industry.

This course meets the State of Michigan's 21st Century Applied Learning Core Skills standards and benchmarks.

1692 MANUFACTURING / INTERNSHIP 11, 12 2 CREDITS

Career Pathway: EMIT

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

First Year Program: This course offers an introduction to state of the art manufacturing techniques by providing an integrated approach to the design, production, and testing of objects and materials. Students begin the course by mastering the basics of a machine tool process, then move to more advanced projects involving computer numerical control (CNC) machining, computer aided drafting (CAD) and computer aided manufacturing (CAM). The welding portion of the course introduces students to shielded metal arc welding, gas metal arc welding, gas tungsten arc welding, cutting, and brazing. Throughout the course an emphasis on product production is maintained, and students develop skills useful in a modern manufacturing environment.

619 PRE BUILDING TRADES 10, 11, 12 .50 CREDIT

Career Pathway: EMIT

Recommended prior to Vocational Building/Construction Trades.

Freshmen must be enrolled in Algebra 1 or at a higher math level.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

This demanding class will expose students to the Building/Construction Trades. It will cover arenas such as: Safety, hand tools, power tools, material estimating, layout, material selection, basic framing, career and employability skills, construction math and measurement, technical reading, research, information and interpretation, OSHA, work ethics, business aspects, time management, construction materials, commercial applications, residential applications, industrial applications, team work, responsibility, National Center for Education Research, National Home Builders, etc. This class is aligned with the Vocational Applied Technology Programs. Pre-requisites are maturity, safety attitude and a desire to be successful.

603 PRE CAD DESIGN 10, 11, 12 .50 CREDIT

Career Pathway: EMIT

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

This demanding class is recommended prior to a trainee enrolling in a Vocational Cad/Manufacturing class. Students will be exposed to the universal language of drafting and board work. Careers, sketching, equipment, techniques, geometric construction, lettering, multi-view drawings, sections, auxiliary views, pictorials, pattern development, working drawings, design and many other aspects of the program will provide the student with the background to understand industry and the manufacturing/construction environments.

The course is aligned with the Engineering/Manufacturing and Industrial Technologies Career Pathways and the Vocational Applied Technology Programs.

690 PRE MANUFACTURING 10, 11, 12 .50 CREDIT

Career Pathway: EMIT

Recommended prior to Vocational Manufacturing Clusters.

Freshmen must be enrolled in Algebra 1 or at a higher math level.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

This demanding class is a part of the Engineering/Manufacturing and Industrial Technology Career Pathway. It will provided information and experiences in: Safety, Measurement, Blue Print Reading, Drafting Concepts, hand tools, employability skills, layout, materials selection, basic manual machine techniques, technical reading, technical math, research and development, oxy-fuel, plasma, saw, torch, sheet metal, mill, lathe, etc. It is aligned with the Vocational Applied Technology Programs. Mature behavior, attitudes and a safety mentality are pre-requisites for this program.

APPLIED TECHNOLOGY EDUCATION (LATEC)

Livingston County Applied Technology Education Consortium

Livingston Educational Service Agency does not discriminate on the basis of race, religion, color, national origin, sex, disability, age, immigration status, English-speaking status, or any other characteristic by applicable federal or MI law in its programs or activities.

Students enrolled in these courses will use two (2) hours of their schedule for class instruction time.

Location: Howell High School

1604	CAD DESIGN <i>for description, go to page 10</i>	10, 11, 12	2 CREDITS
1620	CONSTRUCTION TRADES <i>for description, go to page 11</i>	10, 11, 12	2 CREDITS
1775	CULINARY ARTS & HOSPITALITY 1 <i>for description, go to page 26</i>	11, 12	2 CREDITS
1776	CULINARY ARTS & HOSPITALITY 2 <i>for description, go to page 26</i>	12	2 CREDITS
1780	EARLY CHILDHOOD EDUCATION I AND II <i>for description, go to page 26</i>	11, 12	2 CREDITS
1793	EMERGENCY MEDICAL TRAINING (EMT) <i>for description, go to page 28</i>	12	2 CREDITS
1794	FIREFIGHTERS 1 AND 2 <i>for description, go to page 11</i>	11, 12	3 CREDITS
1790	HEALTH OCCUPATIONS 1 <i>for description, go to page 27</i>	11, 12	2 CREDITS
1792	HEALTH OCCUPATIONS 2 <i>for description, go to page 28</i>	12	2 CREDITS
1692	MANUFACTURING / INTERNSHIP <i>for description, go to page 12</i>	11, 12	2 CREDITS

Location: Howell airport

Crosswinds Aviation Training Center

1624	PRIVATE PILOT GROUND SCHOOL <i>Career Pathway:</i>	11, 12	2 CREDITS
	<i>Prerequisite: Pre-arranged Flight w/ certified pilot or \$125 materials fee</i>		

This course uses an established private pilot curriculum that includes the latest FAA pilot certification requirements and maximum student oriented instruction. Students are closely monitored and will demonstrate specific proficiency levels before moving to the next lesson.

Students enrolled in these courses will use three (3) hours of their schedule for transportation and class instruction time.

Location: Brighton College of Cosmetology

1751 COSMETOLOGY

11, 12

3 CREDITS

Career Pathway: HUS

A full two-year (plus one summer) program, which instructs students to perform a variety of beauty treatments operations. These include care and beautification of hair, complexion, and hands. Also included are shampoos, rinses, scalp treatment, styling, tinting, bleaching, waiving, facials, and manicuring. If good attendance is maintained, the student will complete the State required 1500 hours of instruction upon high school graduation and be eligible to take the Cosmetology State Board Examination. Students must pass this State Exam to be eligible for employment.

Location: Brighton High School

1580 GRAPHIC COMMUNICATIONS

11, 12

3 CREDITS

Career Pathway: AC

Course Length: One or Two Year Course

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

This class covers the processes and industries that create, develop and produce products using or incorporating words or pictorial images to convey information, ideas and feelings. Technologies you will learn include: product planning and layout, desktop publishing; graphic arts photography; image assembly; image reproduction; bindery and finishing operations; screen printing; ink and paper and career employability skills. Projects you will produce will be a memo pad, greeting card, business card and t-shirt. This class may be taken for two years.

Location: Fowlerville High School

1683 AGRISCIENCE

11, 12

3 CREDITS

Career Pathway: NRA

Course Length: One Year Course

This class provides students hands on experiential learning opportunities.

BOTANY AND GREENHOUSE MANAGEMENT: Students will learn plant anatomy, physiology, soils and plant nutrition, tree and wildflower identification, maple syrup production, forestry and greenhouse management. Hands on experience in our interactive learning lab, woodlot, and community-partner locations will take learning out of the classroom into real life scenarios.

ZOOLOGY AND VETERINARY SCIENCE: Aspects of animal anatomy, physiology and health will be taught in the classroom and brought to life with experiential learning opportunities. Hands on projects could include aquaculture production, incubation of eggs and rearing of chicks, raising broiler chickens, and/or meat rabbit production. This block course is appropriate for students interested in agricultural science. Students in this class will have opportunities to improve leadership, personal growth and practical skills through participation in the Fowlerville FFA Chapter.

Location: Hartland High School

1604 CAD DESIGN

10, 11, 12

2 CREDITS

for description, go to page 10

1630 ALTERNATIVE ENERGY

11-12

3 CREDITS

Career Pathway: EMIT

Course Length: Two Year Course

The course will review the evolution of alternative energies and will explore the green/renewable movement, solar technology, wind turbines, geothermal and material energy efficiencies will be studied. While exploring all facets of Alternative Energy, students will conduct research, do experiments, build working models and monitor actual working energy systems. Students will become competent in Green Building procedures, materials and equipment usage for the Sustainable Building trades by working with hands on projects throughout the course. Students will gain insight into future careers by building sheds, barns and green houses that are energy efficient and sustainable. (Articulated College credit in the area of Alternative Energy and Sustainable building will be available for this class.) This course qualifies for Visual, Performing, or Applied Arts credit, and On Line Learning Experience.

Location: Pinckney High School

1682 ADVANCED AUTOMOTIVE TECHNOLOGY 11, 12 3 CREDITS

Career Pathway: EMIT

Course Length: One Year Course

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

This is an advanced placement course that follows NATEF guidelines for instruction. Students will meet for 2 hours per day for the entire year. Approximately 95 hours are dedicated to steering and suspensions and 220 hours are dedicated to engine performance. A NATEF end of program test will be administered after each block completion. Students are encouraged to take the State of Michigan mechanics exam upon completion.

1574 COMPUTER NETWORK ENGINEERING 11, 12 3 CREDITS

Career Pathway: EMIT

Course Length: One or Two Year Course

Prerequisite: Algebra I (91420)

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

The first part of this class will include identifying the internal components of a computer, assembling a computer system, installing an operating system, and troubleshooting using system tools and diagnostic software. The second part of the class focuses on both the practical and conceptual skills that build the foundation for basic networking and routing. Students will be introduced to the two major models used to plan and implement networks: OSI and TCP/IP. Students will become familiar with the various network devices, network addressing schemes and the types of media used to carry data across the network. Students will learn how to implement both static routing and dynamic routing protocols. This is an authorized Cisco Networking Academy program that uses the IT Essentials curriculum and CCNA Exploration curriculum. This course prepares students for the following industry certifications: CCENT, CompTIA A+ Math Related Class

1574 ADVANCED COMPUTER NETWORK ENGINEERING 11, 12 3 CREDITS

Career Pathway: EMIT

Course Length: One Year Course

Prerequisite: Computer Network Engineering (1574)

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

The advanced computer networking courses focuses on advanced networking concepts including: switching concepts used to improve redundancy, propagate VLAN information, security concepts and vulnerabilities, access control lists (ACLs) and implementation of IP addressing services for an Enterprise network. The second part of this class allows students to focus on an area of specialization in the Computer Network Engineering field. Students will choose between one of two CCNA programs in which to continue their study: CCNA Security or Health Information Networking. In addition, this class utilizes career-planning strategies specifically designed for Computer Network Engineering students and helps prepare students for a career and certification in this pathway. This is an authorized Cisco Networking Academy program that uses the IT Essentials curriculum and CCNA Exploration curriculum. This course prepares students for the following industry certifications: CCNA, CompTIA Network+ Math Related Class For more information visit http://latec.us/information_technology.html

Location: Pinckney High School

1594 COMPUTERIZED FINANCIAL ACCOUNTING 11, 12 3 CREDITS

Career Pathway: BMMT

Course Length: One Year Course

Recommended for students who intend to major in a business field in community college or University setting.

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year.

Accelerated course delivered at the post-secondary level. College credit is available for students successfully completing the final assessment. College Accounting is part of the AP Accounting pilot currently underway throughout the country. AP Accounting is scheduled for evaluation by the College Board in 2012. Course will deliver curriculum as established by Kansas State University. This curriculum is an integrated approach to college level financial and management accounting and is paced at the college level. Upon successful completion of the final assessment students will be eligible to receive 3 college credits from Kansas State University. They are then eligible to complete the subsequent course at Kansas State online. Upon successful completion of the online course students will have earned 6 credits in accounting that will transfer to most universities. This course will be delivered at the college level subject to curriculum guidelines acceptable to the AP College Board. All students enrolled should be prepared to invest outside class time to review material and complete assignments

1695 ENGINEERING / ROBOTICS I 11, 12 3 CREDITS

Career Pathway: EMIT

Course Length: One or Two Year Course

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

Note: This course is eligible for college credit if taken as a two hour block class.

Academics: This course qualifies for fourth year math related credit and Visual, Performing, or Applied Arts credit.

The Engineering and Robotics program prepares students interested in *Engineering* and *Technology* focused careers to use computer software and hardware based processes to solve problems common in engineering, manufacturing and business. As a result of their learning, students will: Program different types of robots, Use computers to design and build engineering solutions, Learn basic machine tool operation, Students will work in teams to design, construct, and operate an automated robotic work cell that will produce a product of their choice.

This program provides a great hands-on experience for students interested in computer programming, electronics, computer aided manufacturing (CAM), material science, and machine tool operations. Articulated college credit may be available. More information is available at www.pinckneyrobot.com.

1695 ENGINEERING / ROBOTICS 2 11, 12 3 CREDITS

Career Pathway: EMIT

Course Length: One or Two Year Course

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

Note: This course is eligible for college credit if taken as a two hour block class.

Academics: This course qualifies for fourth year math related credit and Visual, Performing, or Applied Arts credit.

The Engineering and Robotics program prepares students interested in *Engineering* and *Technology* focused careers to use computer software and hardware based processes to solve problems common in engineering, manufacturing and business. As a results of their learning, students will: Use programmable controllers, Use more advanced computer techniques to design engineering solutions, Learn 3D printing and CNC machine tool operation, Students will work in teams to design, construct, and operate an automated robotic work cell that will produce a product of their choice.

This program provides a great hands-on experience for students interested in computer programming, electronics, computer aided manufacturing (CAM), material science, and machine tool operations. Articulated college credit may be available. More information is available at www.pinckneyrobot.com.

BUSINESS SERVICES TECHNOLOGY

1593 ACCOUNTING 10, 11, 12 1 CREDIT

Career Pathway: BMMT

Students will prepare for entry-level accounting careers. Emphasis is placed on using the computer to perform accounting procedures. The principles and skills presented provide an essential foundation for college-bound students.

510 ADVANCED WEB PAGE DESIGN 10, 11, 12 .50 CREDIT

Career Pathway: BMMT, AC

Prerequisite: Introduction to Web Page Design (509)

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year when taken with 509 Introduction to Web Page Design.

This class is an extension of Introduction to Web Page Design. Emphasis will be on the actual designing of web pages using the advanced features of Dreamweaver, Fireworks, and Flash. Students will become competent in areas necessary to take the WOW (World Organization of Webmasters) certification as well as Adobe Web certifications.

540 BUSINESS LAW I 10, 11, 12 .50 CREDIT

541 BUSINESS LAW II 10, 11, 12 .50 CREDIT

Career Pathway: BMMT

Prerequisite: Business Law I (540) and teacher approval

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year.

This course covers not only the legal structure within which a business must operate, but also pertinent information for everyday living. Students become acquainted with the various laws and regulations relating to such things as business organizational structure, employment laws and regulations, bailment, bankruptcy, anti-trust laws, and business/personal insurance needs. This course is helpful for students interested in introductory legal procedures as well as everyday law.

504 ENTREPRENEURSHIP 10, 11, 12 .50 CREDIT

Career Pathway: BMMT

Entrepreneurship teaches high school students the importance of becoming economically productive members of society by improving their academic, business, technology and life skills. Entrepreneurship introduces students in the fundamentals of how to start and maintain their own small businesses. This course emphasizes the connections between personal motivation, succeeding in the real world and the importance of being personally and financially independent. Skills such as discovery, concept development, actualization, harvesting, personal assessment, personal management, risk management, information acquisition and business planning are at the core of this course.

511 GAMING & APPLICATION ENGINEERING I 9, 10, 11, 12 .50 CREDIT

Career Pathway: EMIT

This class is an introduction to programming. Students will learn how to code by working in a real software development environment to design, program and publish mobile apps and games. No prior programming experience is needed.

512 GAMING & APPLICATION ENGINEERING II 9, 10, 11, 12 .50 CREDIT

Career Pathway: EMIT

Prerequisite: Gaming & Application Engineering I (511)

Students will explore Adobe Flash, GameMaker, Marmalade, Project Spark and other software packages for developing killer game apps. This course will give students the power to create high-speed, hardware-driven 2D and 3D games and applications across many platforms and throughout the broad landscape of social network gaming.

500 INTRODUCTION TO BUSINESS 10, 11, 12 .50 CREDIT

Career Pathway: BMMT

This course introduces students to all aspects of business including Accounting, Business Law, Economics, Marketing, Management, International Business, and Entrepreneurship, Personal Finance, and essential employability skills. Students will use the computer to complete business projects using Microsoft Word, Excel, and PowerPoint.

509 INTRODUCTION TO WEB PAGE DESIGN 10, 11, 12 .50 CREDIT

Career Pathway: BMMT, AC

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year when taken with 510 Advanced Web Page Design.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

Learn how to develop and design a Web Page! You will practice planning, creating, formatting, and linking web pages to produce relevant sites such as personal web sites, web sites for a classroom teacher, or sites for a small business. Students will have the experience of taking some of the class instruction on-line, thus preparing them for the most current method of alternative school instruction!

1515 MARKETING AND MANAGEMENT 10, 11, 12 1 CREDIT

Career Pathway: BMMT

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year.

This class acquaints students with a basic understanding of marketing and distribution. It will familiarize students with marketing principles concerning such areas as planning and development of a product, price determination, promotion, and selling. This class deals with salesmanship, which will provide students with information, and techniques that apply to all sales areas with particular emphasis on retail sales. This class must be taken before Marketing II.

1517 MARKETING II / SCHOOL STORE 11, 12 2 CREDITS

Career Pathway: BMMT

Prerequisite: Grade of "C" or better in Marketing and Management (1515) and Application

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year.

The student will be exposed to additional areas of Marketing, and eventually work in and operate the school store "The Kilt Shack". There are many outside assignments. It is hoped that through the class work the students will find assignments practical and fun. You will be expected to work the school store before school as well as during lunches. This will be done on a rotation basis. Students may receive up to 16 college credits for completing both Marketing I and Marketing II through Articulation agreements with various colleges and universities.

488 MICROSOFT OFFICE SPECIALIST (MOS) I 10, 11, 12 .50 CREDIT

Career Pathway: BMMT

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year when taken with 489 Microsoft Office Specialist (MOS) II.

This class will cover the objectives of IC3 (Internet and Computing Core) which includes competence in using Microsoft Office products, Computer Fundamentals (hardware and software), and Online Essentials. Based on their individual skills, students will complete lessons to become proficient using Word, Excel, PowerPoint, Access, and Publisher. They will then use these skills to complete individualized projects. Use of a variety of hardware (scanner, digital cameras, cd burners, etc.) as well as Email and Internet usage will also be explored.

489 MICROSOFT OFFICE SPECIALIST (MOS) II 10, 11, 12 .50 CREDIT

Career Pathway: BMMT

Prerequisite: Microsoft Office Specialist (MOS) I (505)

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year when taken with 488 Microsoft Office Specialist (MOS) I.

This class assumes proficiency in the use of all Microsoft Office products. Students will use these skills to complete individualized school, home, and business-related projects.

Hardware and software use will continue and include using speech recognition for communication projects. Students will become competent in all areas of Office and IC3 necessary for taking the MOS and IC3 Certification tests.

COMPUTER SCIENCE

510 ADVANCED WEB PAGE DESIGN **10, 11, 12 .50 CREDIT**
for description, go to page 17

464 COMPUTER GRAPHICS **10, 11, 12 .50 CREDIT**
Career Pathway: AC, EMIT
Prerequisite: Introduction to Programming (460)

This course provides students an opportunity to learn the graphical elements of the computer while programming in Scratch, Flash, Java, and JavaScript. Students will use vector graphics to produce pictures, short movies and games. Students should be comfortable with basic programming concepts studied in Introduction to Programming.

511 GAMING & APPLICATION ENGINEERING I **9, 10, 11, 12 .50 CREDIT**
for description, go to page 17

512 GAMING & APPLICATION ENGINEERING II **9, 10, 11, 12 .50 CREDIT**
for description, go to page 17

460 INTRODUCTION TO PROGRAMMING **10, 11, 12 .50 CREDIT**
Career Pathway: EMIT
Prerequisite: Grade of C or better in Algebra I (91420) or Honors Algebra I (91400)

This course provides students an opportunity to learn about the field of computer science, including how to program using the Java language. The following topics will be studied; object-oriented programming, data types, method calls using predefined classes, selection, looping, and an introduction to graphical programming through Applets.

509 INTRODUCTION TO WEB PAGE DESIGN **10, 11, 12 .50 CREDIT**
for description, go to page 18

482 PROGRAMMING 2 **10, 11, 12 .50 CREDIT**
Career Pathway: EMIT
Prerequisite: Introduction to Programming (460)

This course continues the study of computer science. Students will have the opportunity to program using C++ and Java. Course topics include: user-defined classes/subprograms, arrays, iteration, sorting algorithms, interfaces, exceptions, recursion, and files. Programming projects for this course are designed to enable the students to expand their programming skills. Students should be comfortable with the basic programming concepts taught in Introduction to Programming.

ENGLISH COURSE RECOMMENDATIONS

GENERAL

ADVANCED

9 th	English 9	English 9 or Honors English 9
10 th	English 10	Honors English 10 or Honors World Literature 10
11 th	English 11	Honors American Literature Advanced Composition Humanities Advanced Journalism AP English: Language & Composition AP English: Literature & Composition
12 th	Senior English or Advanced Journalism	

1120 ENGLISH 10 10 1 CREDIT
Career Pathway: AC

10th Grade English is designed to help students increase their proficiency in reading, writing, speaking and listening skills to prepare them for post-secondary education or the workplace. Instruction, practice, and assessment will focus on organization, clarity, development, analysis, presentation skills, and the fundamentals of rhetoric and writing.

1130 ENGLISH 11 11 1 CREDIT
Career Pathway: AC

The class will continue to build a solid foundation of knowledge, skills, and strategies that will be applied and extended as students read and analyze various classic and informational texts. Students will be provided the opportunity to develop their writing skills through a mix of writing assignments.

11134 HONORS AMERICAN LITERATURE 11, 12 1 CREDIT
Career Pathway: AC

This course is designed for the student planning on pursuing a college degree. Emphasis is placed on written and oral rhetorical analysis of genres and trends in American literature from the seventeenth century to present. Students will be provided the opportunity to develop their writing skills through various writing assignments including a literary analysis research paper.

91115 HONORS ENGLISH 9 9 1 CREDIT
Career Pathway: AC

In addition to the 9th grade English curriculum, this course includes frequent and more demanding reading and writing assignments, individual research projects, and independent novel study. Students will be expected to complete homework regularly as the accelerated class requires students to be independent and self-motivated learners. Students will also receive higher level testing and assessment over the content of the class. Students are required to read the novel *Lord of the Flies* prior to the start of 9th grade.

2122 HONORS ENGLISH 10 10 1 CREDIT
Career Pathway: AC

Honors 10th Grade English is designed for students planning on pursuing a college degree. It is recommended for students who are considering advanced English courses for 11th and 12th grades. This class is designed to help students increase their proficiency in reading, writing, speaking and listening skills. Instruction, self-assessment and practice will focus on organization, clarity, development, analysis, presentation skills, and advanced rhetoric and writing. Students will study fiction and non-fiction texts to strengthen their analytical skills. Students who successfully complete Honors 10th Grade English are prepared to enroll in Honors and/or AP Language Arts classes.

2128 HONORS WORLD LITERATURE 10 10 1 CREDIT
Career Pathway: AC

Honors 10th Grade World Literature is designed for students planning on pursuing a college degree. It is recommended for students who are considering advanced English courses for 11th and 12th grades. This class is designed to help students increase their proficiency in reading, writing, speaking and listening skills using informational and literary texts from around the globe. Instruction, self-assessment and practice will focus on organization, clarity, development, analysis, presentation skills, and advanced rhetoric and writing. Students will work with fiction and non-fiction texts to strengthen their analytical skills. Students who successfully complete Honors 10th Grade World Literature are prepared to enroll in Honors and/or AP Language Arts classes.

1170 HUMANITIES**11, 12****1 CREDIT***Career Pathway: AC*

Humanities provides college-preparatory experience for students with advanced skills in language arts through the study of the relationship between the culture and the arts of Western civilization. History, literature, fine arts, philosophy, and music from ancient times to the present are explored and compared with emphasis on both oral and written analysis. A research paper on a topic in humanities is required.

1183 SENIOR ENGLISH**12****1 CREDIT***Career Pathway: AC*

Senior English is a yearlong comprehensive writing course focusing on fundamental English writing skills and their development through the practice of reading and writing. Students will study rhetorical skills, in part, through reading and reflecting on a variety of literary genre from major global areas. Writing topics will include analysis, resume, reflection, business letters, persuasion, and research.

**THE FOLLOWING COURSES ARE OFFERED AS
ENGLISH ELECTIVE COURSES.
THEY MAY NOT BE USED TO FULFILL THE 4 CREDIT ENGLISH REQUIREMENTS.**

1152 ADVANCED DRAMA 11, 12 1 CREDIT

Career Pathway: AC
AUDITION REQUIRED - SEE DRAMA TEACHER FOR DETAILS

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

Advanced Drama provides the opportunity for advanced level drama students to further refine the following: acting styles, dialects, and character analysis. Acting classifications, auditioning for musicals and theatre, voice, preparing monologues, scenes, play direction, play production, pantomime, and choreography will also be studied. Strong time management skills and self discipline is required as extra time outside of class is required.

184 CREATIVE WRITING 10, 11, 12 .50 CREDIT

Career Pathway: AC

Creative Writing is wholly focused on imagination in writing. Designed for students who love to write, the course includes poetry, short story, and drama writing. Students write daily journals, both in school and at home. A wide range of creative activities are incorporated, and participation in small group critique sessions is essential.

124 DEBATE 10, 11, 12 .50 CREDIT

Career Pathway: HUS, AC

This course is for the more advanced student who already understands research skills and is an avid reader of political and current-event issues. Students develop critical thinking and analytical skills along with logic and impromptu speaking techniques to defend opposing sides of social issues.

150 DRAMA I 10, 11, 12 .50 CREDIT

Career Pathway: AC

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

Drama I provides the opportunity to study and develop skill in improvisation, observation, concentration, character analysis, dramatic criticism, voice and acting, stage movement, play production, and theatre history. Extra time outside of class is required. A performance is given at the end of the semester.

151 DRAMA II 10, 11, 12 .50 CREDIT

Career Pathway: AC
Prerequisite: Drama I (150)

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

Drama II provides the opportunity to study and develop skill in scenery construction, costuming, make-up, directing, lighting, and publicity. Extra time outside of class is required. A performance is given at the end of the semester.

153 DRAMA AS LITERATURE 11, 12 .50 CREDIT

Career Pathway: AC

Drama as Literature provides students the opportunity to read various types of plays, from Shakespeare through modern works. Both alone and in groups, students analyze, compare, and respond to a wide range of dramatic literature. Writing, speaking, researching and cooperative learning activities are included.

(Note: This is NOT an acting or play performance class.)

188 FANTASY & SCIENCE FICTION 11, 12 .50 CREDIT

Career Pathway: AC

Fantasy/Science Fiction focuses on the English standards of reading, writing, listening and speaking and an analysis of language and author's word choice/purpose. The fantasy portion of the class includes an author study culminating in student presentations, and the reading and analysis of J.R.R. Tolkien's *The Hobbit*. This unit includes a study of major themes (heroism; good vs. evil; magic; other worlds) of the fantasy genre as applied to *The Hobbit*. Science fiction, a sub-genre of fantasy, will be studied as well. This unit includes the reading and analysis of short stories as well as novels. Book talks and collaborative study of the genre will be a focus of this portion of the class. The following topics may be studied as part of this genre: individual vs. society/survival; technological responsibility; alien invasion and the universe; artificial intelligence; genetics/technology. This class is for fans of fantasy and science fiction books, films and television shows.

160 JOURNALISTIC WRITING 9, 10, 11 .50 CREDIT

Career Pathway: AC

Journalistic writing provides students the opportunity to develop writing, editing and decision-making skills by focusing on events, personalities, and issues in the "real" world. They learn how to find sources, interview, report and research and how to distinguish between fact and opinion through the following experiences: writing straight news stories, feature stories, editorials, opinion columns, sports and critical reviews. Students learn the art of design for page layout. Students learn the responsibilities that are inherent in First Amendment freedoms.

154 POETRY 10, 11, 12 .50 CREDIT

Career Pathway: AC

This course is designed as a full immersion study of the genre of poetry. Students will study a complete range of the world's poets, from ancient and traditional to modern and experimental. Students will learn techniques of poetry analysis displayed through essay writing and oral presentations. An academic research project will be conducted by each student, revolving around study of one prominent poet. The creative component of the class includes regular student poetry writing based upon studied techniques and models. Students will individually create and publish their own chapbooks, as well as participate in a class publication. A significant goal of the class is to increase students' general sensitivity to the subtleties and power of language.

192 PROFESSIONAL AND NARRATIVE WRITING 12 .50 CREDIT

Career Pathway: AC

This one semester course will allow time and resources for seniors to research and write scholarship essays or stories to earn money for college. Students will be given basic scholarship writing tips, along with information on how to research for scholarships pertaining to the college they are applying or the course of study they plan to pursue. Students will also have time to collaborate and combine resource information to help streamline the application process. Students will also be able to provide feedback to fellow students' writing, and to revise and edit each other's writing.

1940 SOCIAL MEDIA 10, 11, 12 1 CREDIT

Career Pathway: AC

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

This advanced class will explore and promote all levels of Howell Public Schools through social media, including web based and mobile technologies (Facebook, Twitter, etc.). Students will use 21st century skills, critical thinking, ethical decisions, and collaboration to understand how social media is changing the way we define a community. As citizen journalists, students will use social media tools to connect Howell Public Schools events and information to their audience in new and exciting ways. Selection of participating students in this class will be through an application and interview process.

1162 YEARBOOK JOURNALISM 10, 11, 12 1 CREDIT

Career Pathway: AC

Prerequisite: Written application from student and written recommendation of English or business education teacher.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

Yearbook Journalism provides the opportunity to use writing, speaking and marketing skills while producing the school yearbook, *The Torch*. Skill in copy writing, editing, salesmanship, interviewing techniques, and how to schedule time productively is developed through hands on practice while producing the yearbook. Extra time outside of class is required.

FAMILY AND CONSUMER SCIENCES

721 CHILD DEVELOPMENT AND PSYCHOLOGY 9, 10, 11, 12 .50 CREDIT

Career Pathway: HUS

This course focuses on the development of children from birth up to school age. Students will explore psychological developmental theories of children, as well as explore physical, social and emotional growth and changes. Students may have an opportunity to observe and interact with infants, preschool and elementary aged children.

1775 CULINARY ARTS & HOSPITALITY 1 11, 12 2 CREDITS

Career Pathway: BMMT

Strongly Recommended: Nutrition and Culinary Exploration I (710) and Nutrition and Culinary Exploration II (711)

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

The Culinary Arts and Restaurant Management program at Howell High School is a class available for any juniors or seniors interested in food, cooking, baking, pastries, restaurant operations, management skills, and/or the food industry in general. Learn about the exciting and addicting environment of the restaurant business in the student-run cafe: The Highlander Restaurant. Students will also have the opportunity to participate in several competitions, both in class and out of class - most specifically the ProStart Competition which is a nationally recognized competitive opportunity. This class is a prerequisite to Culinary Arts and Restaurant Management 2.

1776 CULINARY ARTS & HOSPITALITY 2 12 2 CREDITS

Career Pathway: BMMT

Prerequisite: Culinary Arts & Hospitality I(1775)

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

In Culinary Arts and Restaurant Management 2 is the second installment of the culinary program at Howell High School. In this class, students will have increased responsibilities and more advanced and exciting opportunities to excel in the food industry. Some of the many opportunities available are management roles, not only within the restaurant but also event management and creative design duties; menu planning, creating recipes, and ServSafe and ProStart certifications (which are nationally recognized accreditation), along with internship opportunities in the local restaurant industry. This class will help to provide students with a smooth transition into their college culinary experience, and the professional industry as well.

1780 EARLY CHILDHOOD EDUCATION I AND II 11, 12 2 CREDITS

Career Pathway: HUS

Prerequisite or Co-requisite: Child Development and Psychology (721)

Recommended: Psychology I (254)

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

If you have always wanted to work with young children in the field of education then this course is for you!

Student operated preschool program and community sites provide hands on learning experiences. Students will be introduced to occupations of a preschool and elementary teacher, childcare provider, therapist and special education teacher. Second year students will work toward the National Child Development Associate Certificate (CDA). ***College credit is available through articulation and/or direct credit with Lansing Community College, Washtenaw Community College, Ferris State, Baker College and Davenport University

1762 EDUCATION CAREERS 11, 12 2 CREDITS

Career Pathway: HUS

Prerequisite: Application process and determination of student's potential for success.

Recommended: Child Development and Psychology (721), Psychology I (254)

This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

Education Careers is an innovative year-long activity-based curriculum for high school juniors and seniors. The course is designed to promote a better understanding and create interest in those students who may consider teaching as a profession. It is an honors program that details many components of the education environment and involves students in content, application, observations and teaching in preschool, elementary, middle school, and high school settings. During the second semester students earning a C or better will have an opportunity to be placed in a classroom in the community for at least 20 hours. ***College credit is available through articulation and/or direct credit at Ferris State, Baker College and FETE coursework at Eastern Michigan University.

083 EXPLORING CAREER DECISION-MAKING 9, 10, 11 .50 CREDIT

Career Pathway: AC, BMMT, EMIT, HES, HUS, NRA

This course is designed to help students' gain greater understanding of themselves and the world of work. Students develop and strengthen decision-making skills. Emphasis is placed on educational choices. Students develop an educational development plan (EDP) based on their own aptitude and interests. Self-evaluation leads to short and long-term goal setting. An emphasis of the course is information about career and educational opportunities and portfolio development.

728 FAMILY & RELATIONSHIPS 11, 12 .50 CREDIT

Career Pathway: HUS

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

This course is designed to help students understand the nature, function and significance of human relationships involving individuals and families. The curriculum will help prepare students to evaluate, coordinate, and function in multiple adult roles of day-to-day living and working throughout the life cycle. Students will develop an individual sense of well-being to become contributing members of society as a family member, worker, nurturer, consumer, citizen and life-long learner. Topics include: Understanding the Family Foundation, Planning for Marriage and Family, Creating and Maintaining Healthy Relationships, Coping with Relationship Challenges and Learning Practical Reasoning Skills (balancing work and family responsibilities, practicing leadership within the family, relating to others in positive ways, and solving practical problems).

720 HEALTH EDUCATION 9, 10, 11, 12 .50 CREDIT

MICHIGAN MERIT CURRICULUM HIGH SCHOOL GRADUATION REQUIREMENTS, see page 3 for details

Career Pathway: HES

Parent meetings to review course content are scheduled. Refer to high school graduation requirements section in this book on page 3 for more information.

This course focuses on health issues, including the psychological and physiological needs of the individual and family. This course covers topics of self-concept, coping skills, mental health, systems of the human body, substance use and abuse, nutrition, exercise, prevention and control of disease, family health, reproduction and family planning.

1790 HEALTH OCCUPATIONS 1 11, 12 2 CREDITS

Career Pathway: HES

Recommended Prerequisites: Algebra I (C or better) (91420)

Recommended Co-requisites for incoming 11th graders: Anatomy (1324), Chemistry (1328)

Prerequisites or Co-requisites for incoming 12th graders: Anatomy (1324)

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

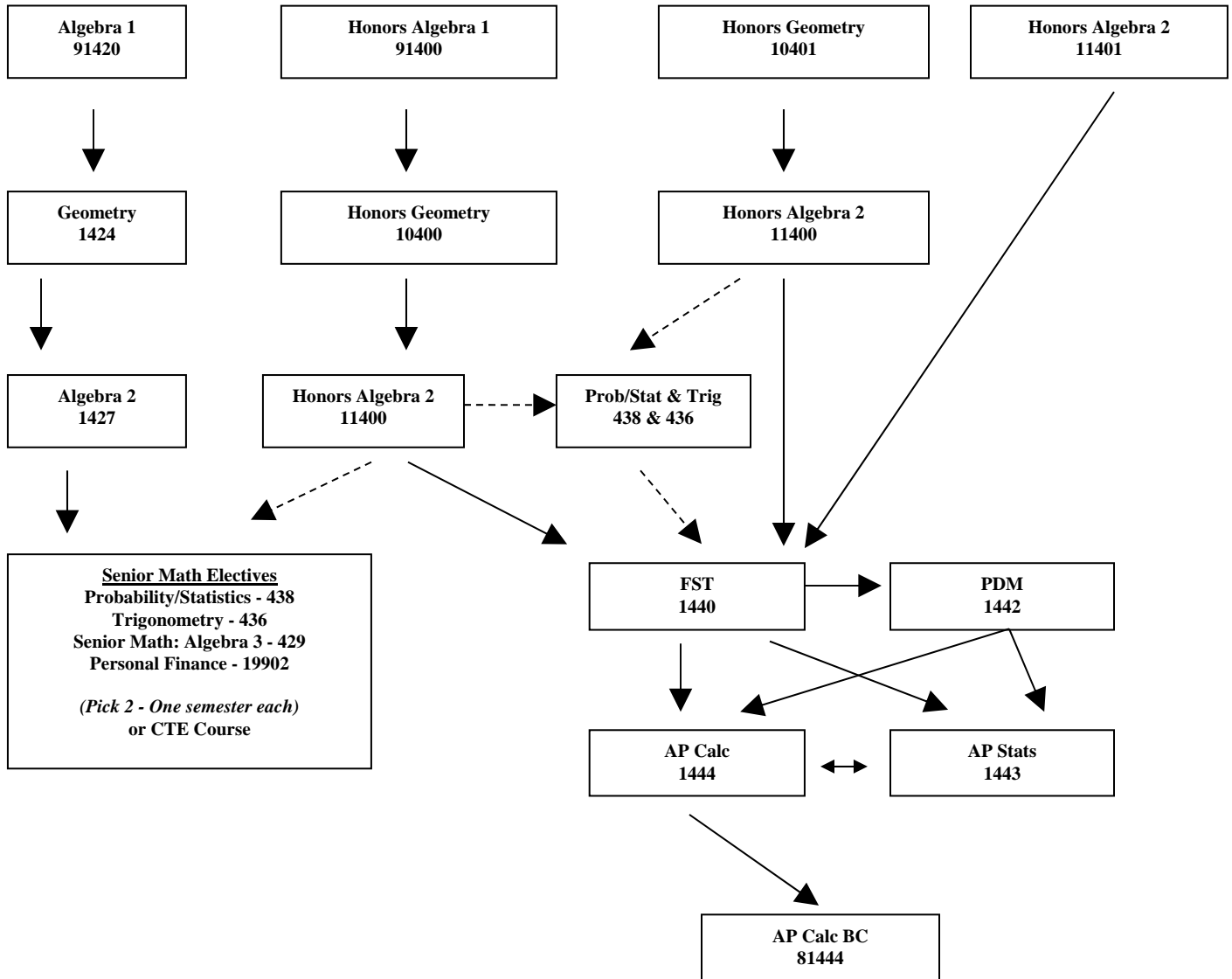
This course teaches basic skills for health care workers. Course content covers medical terminology; medical abbreviations; vital sign skills including blood pressure, pulse, respiration and temperature; personal care skills, certification in CPR and in first aid; team work, leadership, job seeking skills and development of a portfolio. These skills are applied in a variety of clinical settings, including Howell Care Center, Medilodge of Howell, Kellogg Dental Office and St. Joseph Mercy (McPherson) Hospital. Scrubs and white shoes are required for clinical attire. A current TB screen and the HBV Series are required to participate in onsite clinical experiences. Opportunities to participate in community programs are frequently available and encouraged. See counselor for more information. A second year program is available.

- 1792 HEALTH OCCUPATIONS 2 12 2 CREDITS**
Career Pathway: HES
Recommended Prerequisite: Health Occupations I (1790) with a C or better.
This course fulfills the MMC graduation requirement toward math-related experience for students currently in their senior year.
This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.
 The student will have the opportunity to become a Certified Nursing Assistant, Certified Pharmacy Technician or Student Athletic Trainer. They can also earn college credit in Medical Terminology and in Health Science Safety Training. Additional college credits are available through articulation agreements with Washtenaw Community College, Lansing Community College and Ferris State University.
- 1793 EMERGENCY MEDICAL TRAINING (EMT) 12 2 CREDITS**
Career Pathway: EMIT, HES
Recommended Prerequisite: Health Occupations I (1790) with a C or better, or Anatomy (1324) concurrently with, or Anatomy (1324) prior to EMT.
This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.
 This year-long program prepares students for basic Emergency Medical Technician certification through a rigorous hands-on approach to first aid and lifesaving techniques. The course delivery includes lectures, discussions, group work, and extensive practice with simulators and colleagues. Successful students will qualify for First Responder and CPR certifications as well as the National Registry of Emergency Medical Technician examination (taken after the age of 18 and required for licensure). Attendance at sessions outside of normal school hours will be required in order to meet training objectives. This course is available for Seniors who: are able to show proof of immunization status that is up to date, are willing to receive industry required immunizations, are able to pass drug tests and background checks necessary for community-based practical experiences. AND meet one of the following criteria: successful completion of Health Occupations I and recommendation by the instructor, active participation in a Junior Firefighter or Explorer program focusing on Emergency Services as evidenced by group leader recommendation, successful completion of a high school Anatomy and Physiology course and strong interest in health careers, medicine, or emergency service career areas plus recommendation by teachers or counselors. College credit for this course may be available.
- 731 HOSPITALITY AND TOURISM 10, 11, 12 .50 CREDIT**
Career Pathway: HUS
 Students will learn, practice and demonstrate industry standards from the lodging, recreation, amusements, attractions, resorts and restaurants industries. These skills are needed to function effectively in various positions within this growing and multifaceted industry.
- 730 INTERIOR DESIGN 11, 12 .50 CREDIT**
Career Pathway: AC
This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.
 This course is designed for students desiring to learn the various skills necessary to select, plan, arrange, and decorate living space to fulfill needs and desires according to income, environment, and family living styles.
- 710 NUTRITION AND CULINARY EXPLORATION I 10, 11, 12 .50 CREDIT**
Career Pathway: HES, HUS
This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.
 This course deals with safe food handling and kitchen practices, measuring and food preparation techniques, and proper use of appliances and utensils. Microwave cooking, nutrition, and economical ways to purchase foods are highlighted. The study of Italian and Mexican culture and cuisine is also included.
- 711 NUTRITION AND CULINARY EXPLORATION II 10, 11, 12 .50 CREDIT**
Career Pathway: HES, HUS
Prerequisite: Nutrition and Culinary Exploration I (710)
This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.
 This course deals with menu development and the relationship of cooking methods to appearance, texture, shape, flavor and nutritional value of food. The preceding skills are utilized to plan nutritious meals. Emphasis is also placed on the exploration of cooking techniques and practices prevalent in the seven regions of the United States. The study of Chinese, French, and German culture and cuisine is also included.

MATHEMATICS

MICHIGAN MERIT CURRICULUM HIGH SCHOOL GRADUATION REQUIREMENTS, see page 3 for details

Math Class Flow Chart



91420 ALGEBRA 1 9 1 CREDIT

Career Pathway:

Prerequisite: Pre-Algebra

This course covers the basic operations of polynomials with the use of unknowns. It also covers topics in factoring, graphing, and problem-solving techniques. In addition it advances through inequalities, functions, probability, systems of open sentences, rational and irrational numbers, and quadratic equations. A scientific calculator is required. This class is a Prerequisite for Geometry.

1427 ALGEBRA 2 10, 11, 12 1 CREDIT

Career Pathway:

Prerequisite: Geometry (1424)

This course reviews and covers in greater depth the concepts from Algebra 1. In addition, it covers complex numbers, trigonometry and logarithmic functions. A scientific calculator is required for students. This course is a Prerequisite for Probability / Statistics and the Trigonometry classes.

429 ALGEBRA 3 12 .50 CREDIT

Career Pathway: BMMT, HUS, NRA, AC, HES, HUS, AC

This class is an extension of Algebra 2 beginning with a brief review of solving linear equations and inequalities. The focus of the class is placed on real-life applications using linear, rational, radical, and quadratic functions. Also emphasized are polynomials, equations, factoring techniques, rational expressions, rational exponents, and complex numbers. The goal of this class to prepare students for a college level math course by providing an extensive review of algebra topics at a college level pace. A graphing calculator is required.

1444 AP CALCULUS AB 11, 12 1 CREDIT

Career Pathway: EMIT, HES

Prerequisite: Grade of "B+" or higher in Functions, Statistics and Trigonometry (1440) and successful completion of Pre-Calculus and Discrete Mathematics (1442)

This course provides the opportunity for students with advanced skills in mathematics to take college calculus in high school. Functions, limits, application of derivatives and integrations are studied. Students are prepared for the College Board's Advanced Placement Calculus Examination in May.

81444 AP CALCULUS BC 12 1 CREDIT

Career Pathway: EMIT, HS

Prerequisite: Grade of "B-" or better in AP Calculus AB (1444)

This course extends the content learned in Calc AB to different types of equations and introduces the topic of sequences and series. It covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series.

1443 AP STATISTICS 11, 12 1 CREDIT

Career Pathway: EMT, HES, BMMT, NRA

Prerequisite: Grade of "C+" or higher in Functions, Statistics and Trigonometry (1440)

Students taking this course need to have above average reading comprehension skills. This course provides the opportunity for students to take a college level statistics class in high school. The course covers the main areas of data exploration, sampling and experimentation, anticipating patterns, and statistical inference. A graphing calculator is required. It is highly recommended that the calculator be a TI-83 or 84. Students will be prepared to take the advanced placement exam in May.

1440 FUNCTIONS, STATISTICS AND TRIGONOMETRY 10, 11, 12 1 CREDIT

Career Pathway: EMIT, HES, BMMT, NRA

Prerequisite: Teacher recommendation

This course emphasizes applications of linear, quadratic, exponential, logarithmic, and trigonometric functions. It also covers the statistics needed for most college programs. A graphing calculator is required. This calculator should be a T1-83, T1-83+, T1-84, or T1-84+.

1424 GEOMETRY 9, 10, 11, 12 1 CREDIT

Career Pathway:

Prerequisite: Algebra 1 (91420)

This Geometry course is for the college-bound student. It is designed to develop logical thinking as it pertains to problem solving and mathematical proofs. Definitions and postulates are presented and theorems are developed which lead to a logical mathematical system. In addition the class studies the use and applications of Trigonometry and Transformations. During this class algebra skills are expanded. Students are expected to have a ruler, compass, protractor and scientific calculator. This class is a Prerequisite for Algebra 2.

91400 HONORS ALGEBRA 1 9 1 CREDIT

Career Pathway:

The honors course of Algebra I is designed to off a more rigorous curriculum for students who have proven student achievement that meets the course entry criteria. This course is built on the same state Standards as its core course counterpart, plus additional state Standards. Coursework will move faster, spending less time on each Standard. Besides meeting the course entry criteria, students are expected to engage in a high degree of independent learning, self-directed learning and increased homework load. Grades for this course are not weighted

11400 HONORS ALGEBRA 2 9, 10, 11 1 CREDIT

Career Pathway:

The honors course of algebra 2 is designed to offer a more rigorous curriculum for students who have proven student achievement that meets the course entry criteria. This course is built on the same state Standards as its core course counterpart, plus additional state Standards. Coursework will move faster, spending less time on each Standard. Besides meeting the course entry criteria, students are expected to engage in a high degree of independent learning, self-directed learning and increased homework load. Grades for this course are not weighted.

10400 HONORS GEOMETRY 9, 10, 11 1 CREDIT

Career Pathway:

The honors course of geometry is designed to offer a more rigorous curriculum for students who have proven student achievement that meets the course entry criteria. This course is build on the same state Standards as it core course counterpart, plus additional state Standards. Coursework will move faster, spending less time on each Standard. Besides meeting the course entry criteria, students are expected to engage in a high degree of independent learning, self-directed learning and increased homework load. Grades for this course are not weighted.

438 INTRODUCTION TO PROBABILITY AND STATISTICS 10, 11, 12 .50 CREDIT

Career Pathway: AC, BMMT, EMIT, HES, HUS, NRA

This course contains different types of probability, the interpretation of data, and the use of samplings with levels of significance. This course gives a broad base of statistics that can be applied to any course of college study.

2020 MATH LAB 9, 10, 11, 12 .50 CREDIT

Career Pathway:

This class is for students enrolled in the following classes. It provides support for students who struggle with math concepts and is highly recommended for students who earned below a C in Algebra 2.

ALGEBRA 3 (429), INTRODUCTION TO PROBABILITY AND STATISTICS (438), TRIGONOMETRY (436)

19902 PERSONAL FINANCE 12 .50 CREDIT

Career Pathway:

This course will inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets utilizing checking and saving accounts, gain knowledge in finance, debt and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence.

1442 PRE-CALCULUS AND DISCRETE MATHEMATICS 11, 12 1 CREDIT

Career Pathway: EMIT, HES, NRA

Prerequisite: Successful completion of Functions, Statistics and Trigonometry (1440), or Teacher Recommendation

Logic, induction, and probabilities are added to the continuing study of functions, trigonometry, graphs and equations. One objective of this course is the preparation for calculus including introduction of derivatives. The course also prepares students for other college level math, statistics, and logic courses.

436 TRIGONOMETRY 10, 11, 12 .50 CREDIT

Career Pathway: EMIT, HES, HUS, NRA, BSST

Students who wish to continue math beyond Algebra II (but who do not need the range of material covered in FST) should take this course. NO CREDIT will be given to students who have taken or who are presently taking FST. This course uses the trigonometric functions as presented in Algebra II and applies them further into the following areas: right triangles, oblique triangles, graphing and proving trigonometry identities.

MUSIC: INSTRUMENTAL

1980 CONCERT BAND 9, 10, 11 1 CREDIT

Career Pathway: AC

Prerequisite: Entrance by audition and/or consent of the instructor.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

This band is a performing group that contains musicians playing the following instruments: Oboe, flute, Clarinet, Bassoon, Saxophone, Trumpet, French Horn, Trumpet/cornet, Trombone, Euphonium, Tuba, String Bass, Percussion. Fundamentals and intermediate technique on the student's primary instrument along with rudimentary theory are taught along with learning the performance repertoire. Five to six after school concerts are given throughout the year (Including participation in MSBOA B&O festival in March, registering as a Class D Senior HS Band), and it is part of the student's grade to participate and perform in these concerts. Any students with previous band experience and and/or instructor permission may participate in this class. This class is available to grades 9-12 but is recommended for 9-11.

1990 MARCHING BAND 9, 10, 11, 12 .50 CREDIT

Career Pathway: AC

Prerequisite: Entrance by audition and/or consent of the instructor.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

Classes meet the hour immediately following school during 1st and 4th quarters. Extra rehearsals are scheduled on Monday nights. Students perform at local community activities, athletic events, as well as out-of-state major excursions.

987 MUSIC SEMINAR 11, 12 .50 CREDIT

Career Pathway: AC

Prerequisite: Consent of the instructor based on student's musical background. Book Fee possible.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

By teacher approval only. LEVEL 5

Students are given the opportunity to choose topics of interest and develop specific projects for in-depth study. Class material is based on individual interests and needs. Topics of exploration include: composition, musicology, conducting and music theory. This course offering is dependent on staff availability.

1984 PERCUSSION SECTIONALS 9, 10, 11, 12 1 CREDIT

Career Pathway: AC

Prerequisite: Entrance by audition and/or consent of the instructor.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

Students in this class will build upon their current knowledge of percussion through participation in rehearsals and performances. Students will work with traditional keyboards, rudimental drumming, hand drums, drumset, orchestral percussion, and other instruments. This is not just a drumset class.

1981 SYMPHONIC BAND 10, 11, 12 1 CREDIT

Career Pathway: AC

Prerequisite: Entrance by audition and/or consent of the instructor.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

This ensemble is similar to Concert band, playing the same instruments and similar curriculum. The difference is that more difficult concepts and music are addressed in this class (Symphonic Band registers as an MSBOA Class B Senior HS Band). Entry into this band is by audition and/or Instructor permission only. It is highly recommended that students have several years of middle school and some high school band experience before they take this class. The class is available to grades 9-12 but is intended for 10-12.

1982 WIND ENSEMBLE 10, 11, 12 1 CREDIT

Career Pathway: AC

Prerequisite: Entrance by audition and/or consent of the instructor.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

This is the most advanced Concert ensemble.

MUSIC: VOCAL

1970 A CAPPELLA CHOIR 10, 11, 12 1 CREDIT

Career Pathway: AC

Prerequisite: Entrance by Audition Only

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

Our MOST advanced choir open to only 10-12 grade by audition only. LEVEL 4

This class is designed for the musician who enjoys performance on an advanced level. Exposure to various types of choral literature with music from different periods of history as well as contemporary composition and advanced vocal technique is emphasized. Performance with this class requires a 2.0 grade point average. Therefore, any student entering the class and/or failing to maintain a 2.0 GPA should consider another course.

1971 VARSITY MEN'S CHOIR 9, 10, 11, 12 1 CREDIT

Career Pathway: AC

An entry level choir with no pre-requisite or audition. LEVEL 1

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

The Varsity Men's choir is for any male singer who desires to improve his vocal music skill. The class will deal with problems associated with the changing male voice, music reading, and the performance of a variety of choral literature exploring different styles. The men's choir also serves as a preparation for the A cappella choir audition.

1972 VARSITY WOMEN'S CHOIR 9, 10, 11, 12 1 CREDIT

Career Pathway: AC

An entry level choir with no pre-requisite or audition. LEVEL 1

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

The Varsity Women's choir is for any female voice who desires to learn good techniques in singing. Students learn musicianship through music reading and exploring a variety of choral literature. The class will focus attention on the production of good choral tone and serves as a preparation for Women's Select Choir, Women's Chorale, and the A cappella Choir.

1976 WOMEN'S CHORALE 10, 11, 12 1 CREDIT

Career Pathway: AC

Prerequisite: Entrance by Audition Only.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

An intermediate to advanced Choir open only to 10-12 grade by audition only. LEVEL 3

This class is designed for the female singer who desires choral literature at the advanced level. The class will explore various styles and periods of music history. Vocal skills will be developed with a focus on the more mature voice. Music reading level will range from intermediate to advanced with some exploration of the elements of music theory. This course may provide an alternative to A cappella Choir. Performance with this class requires a 2.0 grade point average. Therefore, any student entering the class and/or failing to maintain a 2.0 GPA, should consider another course.

1974 WOMEN'S SELECT CHOIR 9, 10, 11, 12 1 CREDIT

Career Pathway: AC

Prerequisite: Entrance by Audition Only.

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

A primary to Intermediate choir. 9th grade are assigned by 8th grade instructor. LEVEL 2

This class is for the female vocalist who wishes to continue choral training. As ensemble members, participants learn to develop good singing techniques and improve their musicianship in preparation for A cappella Choir. Performance with this class requires a 2.0 grade point average. Therefore, any student entering the class and/or failing to maintain a 2.0 GPA should consider another course.

NON DEPARTMENTAL

1093	CO-OP 1 HR	11, 12	1 CREDIT
1095	CO-OP 2 HR	11, 12	2 CREDITS
2093	CO-OP 3 HR	11, 12	3 CREDITS

Career Pathway:

Qualifications: Must be concurrently enrolled in one of the following State Approved CTE course or an academic course that relates to the job placement. Marketing & Management, Marketing II, Computerized Financial Accounting, Teacher Cadet, Early Childhood Education, Health Occupations, Culinary Arts, CAD, Construction Trades, Automotive, Manufacturing, Graphic Communications, Engineering/Robotics & Computer Network Engineering

085	FRESHMAN FOCUS	9	.50 CREDIT
------------	-----------------------	----------	-------------------

Career Pathway: AC, BMMT, EMIT, HES, HUS, NRA

In Freshman Focus, students will gain a greater understanding of who they are; gain insight about the way in which they think and learn; develop strategies to improve reading, note taking, and test taking; consider ways to improve organization and time management; and learn strategies to improve school performance. Students will explore careers and post-secondary educational programs, while also learning more about job search strategies, interviewing, and resume writing. Working with peer and/or adult mentors each week, Freshman Focus students will prepare for their future through the process of goal setting and planning.

612	INTRODUCTION TO AVIATION	10, 11, 12	.50 CREDIT
------------	---------------------------------	-------------------	-------------------

Career Pathway:

This course provides an understanding of the principles and practices critical to the aviation industry. These relate to airports, commercial airlines, and the general aviation sector. The course provides an introduction to the skills necessary to pass the FAA Private Pilot Written Exam. The course will also introduce the student to all major aviation careers including air traffic control, air frame and power plant mechanic, airport management, and airplane manufacturing. Students will also be provided the opportunity to meet with representatives from colleges with aviation programs.

10082	LEADERSHIP / ACTIVITIES	11, 12	1 CREDIT
--------------	--------------------------------	---------------	-----------------

Career Pathway: AC, BMMT, EMIT, HES, HUS, NRA

Prerequisite: Instructor Permission

Leadership class will give any interested student the opportunity to examine and practice the skills needed to be an effective leader. The class provides time and exercises to examine these skills as they relate to each individual. This class will help each student: identify leadership styles, practice group- processing skills, develop an improved self-image about their own leadership ability, improve their communication skills, help them learn the importance of setting both long and short term goals, define and practice appropriate problem solving techniques and commit to a time of community service outside of school to put all of these objectives to use. This class is open to all students and may be repeated for credit with instructor permission.

1112	STUDY STRATEGIES FOR AP CLASSES	10, 11, 12	1 CREDIT
-------------	--	-------------------	-----------------

Career Pathway: AC, BMMT, EMIT, HES, HUS, NRA

Prerequisite: Enrollment in 2 or more advanced placement classes.

In this course, students will learn a little about their own personalities and learning styles, which, when known, lead to more effective and efficient studying. Students will then learn about good study habits, setting goals, using time wisely, tips for writing written responses to various advanced placement prompts, and skills to become better learners, test-takers and note-takers. Students will have the opportunity to determine what it will take to succeed in an advanced placement class. Furthermore, they will have the opportunity to work collaboratively with other advanced placement students in an effort to master course content and prepare for advanced placement exams.

Students will earn elective credit, receiving a P or NM as a semester grade.

PHYSICAL EDUCATION

MICHIGAN MERIT CURRICULUM HIGH SCHOOL GRADUATION REQUIREMENTS, see page 3 for details

**The .50 credit graduation requirement for Physical Education
must be fulfilled by earning credit in either of the Level I classes.
A student must earn .50 credit in a Basic PE or Basic Aerobics class before taking a Level II class.**

902 BASIC AEROBICS / SWIMMING 9, 10, 11, 12 .50 CREDIT

Career Pathway:

Physical fitness concepts included are: muscular endurance, cardiovascular endurance, body composition, strength, and flexibility. Skill-related concepts stressed are: coordination, balance, agility, power, reaction time and speed. Class structure consists of at least three days of cardiovascular workouts and two days of skill related activities, including the weight room. Students are expected to meet the health standards of the National Youth Fitness test. All students must pass the mile walk/run test in 12 minutes to receive credit. Aerobic work is done through circuit training videotapes ex. (Tae Bo, step aerobics, dance aerobics), weight training, Pilates, Stability Ball, jogging and walking workouts. Students are introduced to methods of weight control and diet as it relates to their physical well-being. Volleyball, basketball, softball, tennis, soccer, swimming, and badminton are some of the sport areas to be included.

900 BASIC PHYSICAL EDUCATION / SWIMMING 9, 10, 11, 12 .50 CREDIT

Career Pathway:

The following physical fitness concepts are included: muscular endurance, cardiovascular endurance, body composition, strength and flexibility. The following skill-related concepts are stressed: agility, balance, coordination, power, reaction time and speed. Class structure consists of at least three days of skill related activities and two days of cardiovascular workouts. Students are expected to meet the health standards of the National Youth Fitness test. All students must pass the mile walk/run test in 12 minutes to receive credit. The sports used to develop skill-related concepts will include: touch football, soccer, softball, basketball, floor hockey, volleyball, and swimming.

915 LEVEL II: AMERICAN RED CROSS LIFEGUARD TRAINING 10, 11, 12 .50 CREDIT

Career Pathway:

Upon successful completion of the 33 hour American Red Cross Lifeguard Training course, participants will receive two certificates; Lifeguard Training with First Aide and CPR for the professional rescuer. The course content and activities require self-discipline and personal responsibility and will prepare candidates to prevent, recognize and respond quickly and effectively to aquatic emergencies. Participants must meet the following age and skill Prerequisites: 1. 15 years old by the end of class, 2. Swim 300 yards continuously, using 100 yards of front crawl with rhythmic breathing, 100 yards of breaststroke, and the final 100 yards a combination of the two strokes, 3. Swim 20 yards front crawl, or breaststroke, surface dive 7-10 feet, retrieve a 10 lb. Brick and swim 20 yards back to the starting point.

910 LEVEL II: TEAM SPORTS 9, 10, 11, 12 .50 CREDIT

Career Pathway:

Prerequisite: Basic Physical Education / Swimming (900) or Basic Aerobics / Swimming (902)

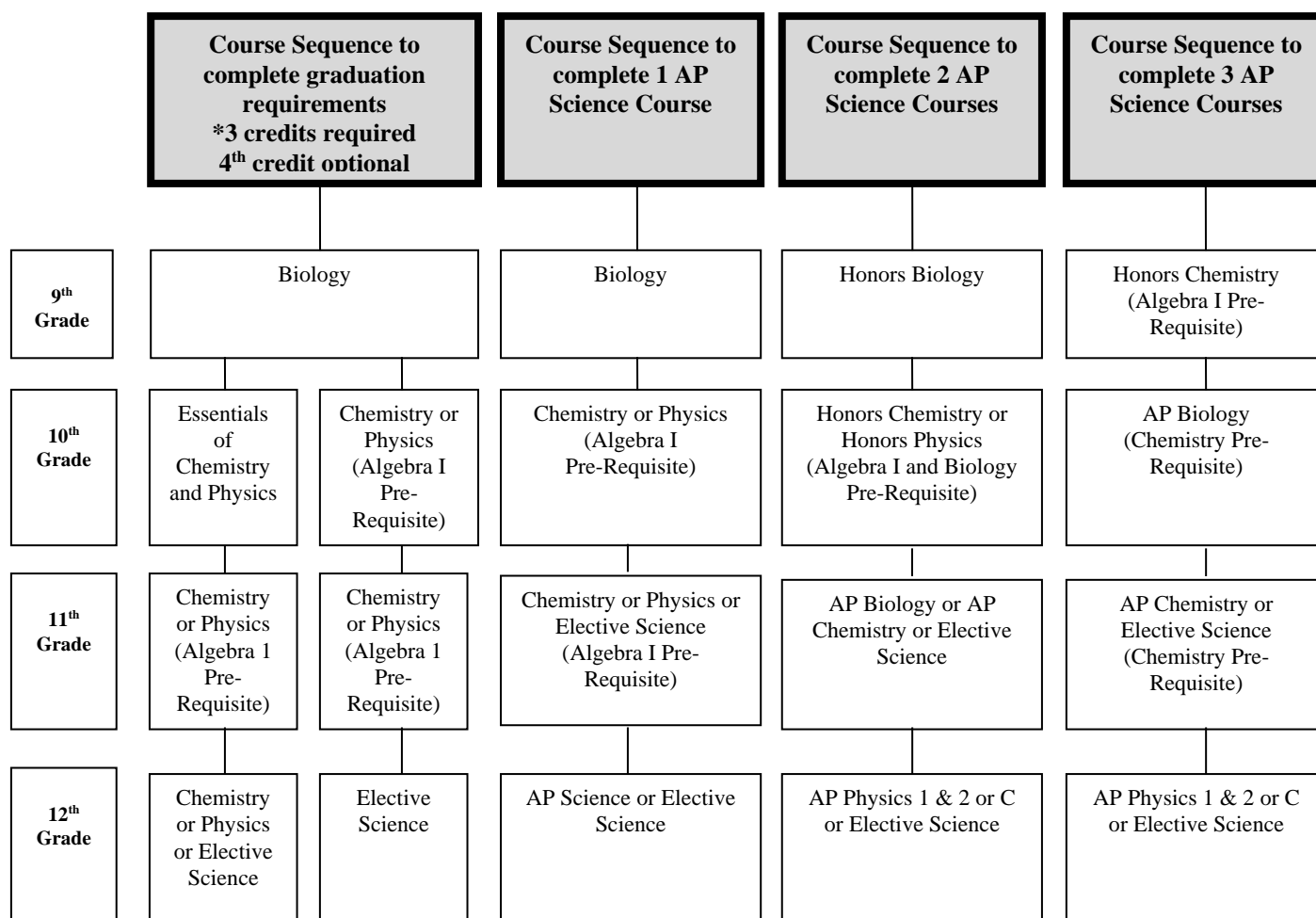
This class builds on the knowledge and physical fitness levels gained in all basic level classes. Advanced skills and team concepts are stressed. The sports used to develop skill related concepts include: touch football, soccer, softball, basketball, team handball, and volleyball.

SCIENCE

MICHIGAN MERIT CURRICULUM HIGH SCHOOL GRADUATION REQUIREMENTS, see page 3 for details

Science Course Sequence

In order to earn a diploma from Howell High School, a student must earn 3 credits: *one credit in biology, one credit in physics or chemistry, and one additional science credit in a course of his or her choosing. Core science courses include: Biology, Honors Biology, Chemistry, Honors Chemistry, Physics, Honors Physics
 AP science courses include: AP Biology, AP Chemistry, AP Physics 1 & 2 (non-science college majors) & AP Physics (C) (Calculus based)
 Elective science courses include: Astronomy, Anatomy, Environmental Science: Ecology, Environmental Science: Climate, and Criminalistics.



1324 ANATOMY 11, 12 1 CREDIT

Career Pathway: HES, HUS, EMIT

Prerequisite: Biology (91306) Honors Biology (91300), or AP Biology (2334), and Chemistry (1328), or Honors Chemistry (10300)

Human Anatomy offers students the opportunity to study the structure and functions of the human organism. The areas of concentration are actions of the major systems of the body, special organs involved in each of these systems, and the function of each of the organs. Concepts in Biology and Chemistry will also be reviewed and incorporated into this class. Dissection of the fetal pig and sheep brain is a required part of this class.

2334 AP BIOLOGY 10, 11, 12 2 CREDITS

Career Pathway: HES, NRA

Prerequisite: Grade of "B-" or higher in Chemistry (1328) or Honors Chemistry (10300 or 10301) or teacher recommendation

Advanced Placement Biology is equivalent to the first year of college biology. The structural adaptations of plants and animals, molecular and cellular biology, genetics and evolutionary relationships are studied. Students will be prepared for the College Board's Advanced Placement Biology Examination in May. Fulfills MMC Biology requirement. May require summer work.

2330 AP CHEMISTRY 10, 11, 12 2 CREDITS

Career Pathway: EMIT, HES

Prerequisite: Grade of "B-" or higher in Chemistry (1328) or teacher recommendation

Advanced Placement Chemistry is equivalent to first year college chemistry. Atomic theory, chemical bonding, chemical reactions, thermodynamics, and electrochemistry are studied. Students are prepared for the College Board's Advanced Placement Chemistry Examination in May. May require summer work.

2332 AP PHYSICS 1 & 2 10, 11, 12 1 CREDIT

Career Pathway: EMIT, HES

Prerequisite: Grade of "B-" or higher in Chemistry (1328) or Honors Chemistry (10300 and 10301) or teacher recommendation

Co-requisite: Functions, Statistics and Trigonometry (1440)

This course is equivalent to first year trigonometry based college physics courses covering topics that include mechanics, electricity and magnetism, thermal physics, fluid dynamics, and atomic and nuclear physics. It is designed for students who will be pursuing a college major in the area of business, law, medicine, or majors other than math and science. Students will be prepared for the advanced placement exam in May. May require summer work.

1333 AP PHYSICS (C) 11, 12 1 CREDIT

Career Pathway: EMIT

Prerequisite: Grade of "B-" or higher in Chemistry (1328) or Honors Chemistry (10300 or 10301) or teacher recommendation

Co-requisite: AP Calculus (1444)

This course is equivalent to first year college physics with calculus. Mechanics, dynamics, momentum, electricity and magnetism are studied. Students are prepared for the College Board's Advanced Placement Physics C examination. It is designed for students who will be pursuing a college major in Science, Math or Engineering. Students will be prepared for the advanced placement exam in May. May require summer work.

91306 BIOLOGY 9, 10, 11, 12 1 CREDIT

Career Pathway: NRA, HUS, EMIT

This course will provide the student with a strong foundation in biological science. Topics of study include cell structure, biochemistry, genetics, evolution, and ecology. Emphasis is placed on the development of skills in observation, laboratory technique, and scientific inquiry through the investigation of plant and animal structure. Successful completion of Biology is required for graduation. Dissection may be required.

1328 CHEMISTRY 10, 11, 12 1 CREDIT

Career Pathway: EMIT, HES

Prerequisite: Biology (91306), Algebra I (91420)

Successful completion of Physics or Chemistry is required for graduation. In this course students will study the atom, periodic table, chemical bonding, various aspects of chemical reactions, solutions, and acids-bases-and salts.

1337 CRIMINALISTICS 11, 12 1 CREDIT

Career Pathway: HES, HUS

Prerequisites: Algebra I (91420)

Introduction to Criminalistics is a one-year course that uses a “hands-on” approach to content that integrates concepts and technology from the various disciplines of science through the discussion of real-life issues. In order to merge theory with practice, a hands-on approach will be taken in presentation of course materials. Participation in all laboratory activities as well as attendance at all classroom field trips will be expected. Students will also be required to maintain a course portfolio. In addition to lab activities, content will be taught through case readings, videos, and information from the Internet. Assessment will be done through a variety of methods including quizzes, tests, written summaries, projects, and presentations. Some topics covered may be considered graphic in nature. Please review the syllabus in the first week of school to insure proper placement in the course.

3318 ENVIRONMENTAL SCIENCE: CLIMATE 10, 11, 12 .50 CREDIT

Career Pathway: NRA

Prerequisite: one year of Science

Environmental Science-2 is a semester course offered to students that have successfully completed Biology and Environmental Science-1, and may be taken concurrently with chemistry and/or physics. Environmental science-2 is a study of how the earth works and how we interact with the earth. An emphasis on finding ways to deal with environmental problems and live more sustainably will be the goal of this course. The course integrates information and ideas from the natural sciences, focusing on the atmosphere, weather and climate, geology and energy resources. Labs and projects many of which require working outdoors and with lab equipment provided by the school will be conducted continuously and throughout each unit. Good attendance and daily participation are crucial to student’s success in this course.

3316 ENVIRONMENTAL SCIENCE: ECOLOGY 10, 11, 12 .50 CREDIT

Career Pathway: NRA

Prerequisite: one year of science

Environmental Science-1 is a semester course offered to students that have successfully completed Biology and may be taken concurrently with chemistry and/or physics. Environmental Science-1 covers a wide range of topics including environmental issues, ecosystems, forestry resources, water resources and biodiversity. Labs and projects many of which require working outdoors and with lab equipment provided by the school will be conducted continuously and throughout each unit. Good attendance and daily participation are crucial to student’s success in this course.

1325 ESSENTIALS OF CHEMISTRY AND PHYSICS 10 1 CREDIT

Career Pathway:

Students must have approval to enroll in this course.

This is an introductory preparatory course in physics and chemistry “essentials”, which will provide students with the fundamental skills necessary for success in either Physics or Chemistry the following year. Units of study include the scientific method, motion, mechanics, electricity, magnetism, waves, atomic structure and characteristics, chemical bonds and periodic trends. This course is intended to prepare students for the Michigan Merit Examination in science content. This course does not meet the current state curriculum expectations for the required chemistry or physics course but may be taken as a science elective. This course does not fulfill the graduation requirement of physics or chemistry. This course may not be taken for credit by students who have already passed chemistry or physics. Enrollment should be based on Math skills.

91300 HONORS BIOLOGY **9, 10, 11, 12 1 CREDIT**

Career Pathway: NRA, HUS, HES

The honors course of biology is designed to offer a more rigorous curriculum for students who have proven student achievement that meets the course entry criteria. This course is built on the same state Standards as its core course counter-part, plus additional state Standards. Coursework will move faster, spending less time on each Standard. Besides meeting the course entry criteria, students are expected to engage in a high degree of independent learning, self-directed learning and increased homework load. Grades for this course are not weighted.

10300 HONORS CHEMISTRY **9, 10, 11, 12 1 CREDIT**

Career Pathway: EMIT, HES

The honors course of chemistry is designed to offer a more rigorous curriculum for students who have proven student achievement that meets the course entry criteria. This course is built on the same state Standards as its core course counter-part, plus additional state Standards. Coursework will move faster, spending less time on each Standard. Besides meeting the course entry criteria, students are expected to engage in a high degree of independent learning, self-directed learning and increased homework load. Grades for this course are not weighted.

11300 HONORS PHYSICS **10, 11, 12 1 CREDIT**

Career Pathway: EMIT, HES

The honors course of chemistry is designed to offer a more rigorous curriculum for students who have proven student achievement that meets the course entry criteria. This course is built on the same state Standards as its core course counter-part, plus additional state Standards. Coursework will move faster, spending less time on each Standard. Besides meeting the course entry criteria, students are expected to engage in a high degree of independent learning, self-directed learning and increased homework load. Grades for this course are not weighted.

1313 ORGANIC CHEMISTRY **11, 12 1 CREDIT**

Career Pathway: HES

Prerequisite: Grade of "B" or higher in Biology (91306), Honors Chemistry (10300)

Co-requisite: AP Biology (2334) or AP Chemistry (2330)

This course will prepare students for a college level course in Organic Chemistry. It will provide a survey of the basic organic compounds and the most common organic reactions, with examples of biological and industrial processes involving organic chemistry. Students will learn how to name organic compounds, to draw and understand their structures in two and three dimensions and to learn how chemical structure and reactivity are interrelated. Both virtual and hands on labs will be done. Students planning on studying nursing, medicine, chemistry, biochemistry or other science fields will benefit from enrollment in this course.

1326 PHYSICS **10, 11, 12 1 CREDIT**

Career Pathway: EMIT, HES

Prerequisite: Biology (91306), passing of Algebra I ((91420)

Successful completion of Physics or Chemistry is required for graduation. In this course students will study motion, electricity, magnetism, energy, waves and mechanics.

312 SPACE SCIENCE **10, 11, 12 .50 CREDIT**

Career Pathway: NRA

Prerequisite: one year of science

This course is for students with a desire to become familiar with the solar system, the galaxies, theories on the beginning of the universe, and space exploration.

SOCIAL STUDIES

MICHIGAN MERIT CURRICULUM HIGH SCHOOL GRADUATION REQUIREMENTS, see page 3 for details

1249 AP COMPARATIVE GOVERNMENT AND POLITICS 11, 12 1 CREDIT

Career Pathway: HUS

This one semester college level course, designed to prepare students for the Advanced Placement exam, focuses on government and politics in other countries and provides a theoretical framework to compare political systems around the world. At the conclusion of the course, students should be able to describe common types of governments and cultures in the world, compare and analyze their governments and societies, and describe their interaction in a global world. The main countries of focus are the United Kingdom, Russia, China, Mexico, Nigeria, and Iran.

11250 AP ECONOMICS 11, 12 1 CREDIT

Career Pathway: BMMT, HUS

The purpose of this course is to give students a thorough understanding of the principles of microeconomics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. There is primary emphasis on product markets and includes the study of factor markets and the role of government in the economy. The following topics will be covered during the course: Basic Economic Concepts, The Nature and Functions of Product Markets, Factor Markets, and Market Failure and the Role of Government. Additionally students will receive a thorough understanding of the principles of macroeconomics that apply to an economic system as a whole. The following topics will be covered during the course: Measurement of Economic Performance, National Income and Price Determination, Financial Sector, Stabilization Policies, Economic Growth, Open Economy: International Trade and Finance

1210 AP EUROPEAN HISTORY 11, 12 1 CREDIT

Career Pathway: HUS, AC

Prerequisite: World History (91208) or Honors World History (91211) recommended

Advanced Placement European History enables advanced students to fulfill the high school graduation requirement in social studies by taking a college level course. The political, diplomatic, economic, intellectual, cultural, and social aspects of European history are studied in a chronological approach. In analyzing historical viewpoints and original documents, extensive writing and critical reading is required. Students are prepared for the College Board's Advanced Placement European History Examination in May. Elective Social Studies credit.

1248 AP GOVERNMENT 11, 12 1 CREDIT

Career Pathway: HUS

Prerequisite: US History (1222) or AP United States History (1225) grade of "B+" or higher, or teacher recommendation

This yearlong college level course is designed to prepare students for the Advanced Placement Test. It focuses on the constitutional foundations of American democracy, political beliefs and behaviors of individuals, political parties, interest group media, policy processes, institutions of national government, and civil rights and civil liberties. There is extensive writing and critical reading for analysis and interpretation.

1257 AP PSYCHOLOGY 11, 12 1 CREDIT

Career Pathway: HUS, HES

Advanced Placement Psychology enables motivated students to fulfill the high school graduation requirement in social studies by taking a college level course. Students learn the systematic and scientific study of the behavior and mental processes of human beings and other animals. Methods, approaches, history, biological bases of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, developmental psychology, personality, testing and individual differences, abnormal psychology, treatment of disorders, and social psychology are studied. Extensive writing and reading is required. Students will prepare for the College Board's Advanced Placement Psychology examination in May.

1225 AP UNITED STATES HISTORY 10, 11, 12 1 CREDIT

Career Pathway: HUS

Prerequisite: World History (91208) or Honors World History (91211)

Advanced Placement United States History enables sophomores, juniors, and seniors who meet criteria to fulfill the high school graduation requirement in United States history by taking a college level course. The political, diplomatic, economic, intellectual, cultural, and social aspects of United States History are studied in a chronological approach. In analyzing historical viewpoints and original documents, extensive writing and critical reading is required. Students are prepared for the College Board's Advanced Placement United States History Examination in May. May require summer work.

246 CONSTITUTIONAL LAW-WE THE PEOPLE 12 .50 CREDIT

Career Pathway: HUS

This course will focus on the fundamental principles of United States government, including separation of powers, checks and balances, federalism, individual rights and due process. These principles will be examined as they relate to the philosophical and historical foundations of the American political system, the creation of the Constitution, the shaping of American institutions and practice, the development, expansion and protection of the Bill of Rights and the role of the citizen in American democracy. As a requirement for this class, students will participate in the We the People Constitutional Competitions at the district, state, and (possibly) national levels.

250 ECONOMICS 11 .50 CREDIT

Career Pathway: BMMT, HUS

This course is designed to promote economic literacy by focusing on the following areas: The Market Economy, The National Economy of the United States, The International Economy, and Personal Finance.

275 GLOBAL ISSUES & CURRENT EVENTS 9, 10, 11, 12 .50 CREDIT

Career Pathway: BMMT, HUS

The Global Issues and Current Events curriculum introduces students to issues that influence our life in today's global community. Emphasis will be placed upon America as a dynamic culture in the 21st century, witnessing changes involving community, state, nation, and world. Some of the pressing problems facing our rapidly changing society will be examined in detail using a variety of media. Critical thinking skills and technology related research is emphasized. Speaking and listening skills are reinforced through class discussions, debates and presentations.

240 GOVERNMENT 11 .50 CREDIT

Career Pathway: HUS

This course will focus on the fundamental principles of United States government, including separation of powers, checks and balances, federalism, individual rights and due process.

260 HISTORY OF PHILOSOPHY 11, 12 .50 CREDIT

Career Pathway: HUS

This course is designed with a two-fold purpose. One aspect of the class is intended as a historical exploration of philosophy and schools of philosophical thought. The content is divided between Western and Eastern philosophical systems. Readings from the works of the great thinkers of the world are an integral part of the course.

The second focus of the course is an attempt to develop the use of logic and reason in decision-making and problem solving. An investigation of the basic questions that have occupied philosophers throughout history are conducted through class discussion, debate, and written response.

91211 HONORS WORLD HISTORY 9 1 CREDIT

Career Pathway:

The goal of the Honors World History course is to provide an opportunity for accelerated students to challenge themselves in the World History classroom and prepare them for Advanced Placement social studies later in their academic career. The course will provide a look into major historical topics from the Greeks and Romans, to the French Revolution and up through the 20th century. In order to help prepare students for the Advanced Placement classroom the Honors World History class will incorporate elements of the AP World History, including curriculum framework and resources.

251 INTRODUCTION TO SOCIOLOGY 11, 12 .50 CREDIT
Career Pathway: HUS

This is a basic introduction to Sociology as a discipline. Students will explore the relationship between themselves and society through such topics as: Culture and Society: cultural relativism, values, morals, deviance; Social Structure: roles and relationships, social stratification; Social change: social movements, collective behavior; Social Institutions: family, education, religion, economy, and government. Analysis of issues concerning the various social institutions and the impact on the individual will be studied.

254 PSYCHOLOGY I 11, 12 .50 CREDIT
Career Pathway: HUS, HES

This class uses lectures, discussions, student exercises and experiments to introduce basic psychological theories. Emphasis is placed on student participation in discovering and sharing with others and how the information gathered might be of practical personal use. Topics covered are: introducing psychology, the learning process, memory & thought, the body & behavior, motivation & emotion, infancy & childhood, sensation and perception.

256 PSYCHOLOGY II 11, 12 .50 CREDIT
Career Pathway: HUS, HES
Prerequisite: Psychology I (254)

This class builds on the knowledge and experience gained in Psychology I. Students concentrate on the development of interpersonal communication skills. Students increase and refine their understanding of the psychological principles and theories introduced in Psychology I. Topics covered are: adjustment in society, disturbance & breakdown, therapy & change, human interaction, and attitudes and social influence.

253 SOCIOLOGY: SOCIAL ISSUES 11, 12 .50 CREDIT
Career Pathway: HUS

Students will explore the various social problems and concerns of our society. Emphasis will be placed on the description, cause and effect relationship of the social problem to the individual and society. Using the "Taking Sides" series, students will explore various viewpoints on such issues; and learn to decipher fact from opinion in writing, discussion and debate. Students will be actively engaged in the community by developing and implementing action plans to help alleviate some of the social concerns.

1222 UNITED STATES HISTORY 10 1 CREDIT
Career Pathway: HUS

This course is a survey covering the main events of United States history from Post Reconstruction Era to the present. This course is for all students and requires regular reading and written assignments.

91208 WORLD HISTORY 9 1 CREDIT
Career Pathway: HUS, AC

This course is designed as a survey of world history beginning with the time before written language. Special emphasis will be placed upon ancient cradles of civilization, the classical world of Greece and Rome, the medieval period, the Renaissance and Reformation, and the development of Nationalism. World culture is one focus of the course. The development of the world's great literature, art, music, religious thought, geography and economic development are ongoing threads in this course of study.

215 WORLD RELIGIONS 11, 12 .50 CREDIT
Career Pathway: HUS

This course describes the beliefs and practices of Christianity, Islam, Hinduism, Buddhism, and Judaism, in cultural context, from their origins to the present. It examines their influence on literature and the arts, beliefs and values, socioeconomic and political systems in world civilizations.

VISUAL ARTS

Motivated students could build a portfolio of work qualified for submission to the Advanced Placement College Board in the area of Art Two Dimensional Design, and earn AP credit and possibly college credit (additional cost would apply).

1950 3-D DESIGN 10, 11, 12 .50 CREDIT

Career Pathway: AC

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

Students will conceive, plan and execute three-dimensional artwork using various media including but not limited to; plaster, paper, metal, wood, found objects, and recyclable materials. Critique, aesthetic and historical dialogue will also occur through writing assignments and individual, small group and whole class discussions.

950 3-D DESIGN ADVANCED 11, 12 1 CREDIT

Career Pathway: AC

Prerequisite: Ceramics (945) or 3-D Design (1950)

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

Students enrolled in 3-D will explore in depth three-dimensional design through the making of bas-relief and full sculptural forms. Students will work with various tools and materials. The materials and techniques will include plaster casting and carving, woodcarving and assembly, clay sculptural techniques, assemblage and environmental installations.

1948 ADVANCED DIGITAL IMAGING 10, 11, 12 1 CREDIT

Career Pathway: AC

Prerequisite: Any one of the following classes: Digital Imaging (943), Photography I (940 or 90940), Photography II (941 or 90941)

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

This advanced class will offer students the opportunity to develop in-depth graphic design skills with an emphasis in computer graphics, electronic imaging, and digital production. Students will explore various techniques and methods in the manipulation of digital images, desktop publishing, digital photography and digital printing using Adobe Illustrator©, Adobe Photoshop©, Adobe InDesign©, as well as other software common in today’s creative world. Students will solve design problems from concept to completion while working towards final portfolio pieces and design competitions. Students will also explore educational and professional career paths in Graphic Design and Visual Communication.

1952 ADVANCED DIGITAL VIDEO 10, 11, 12 1 CREDIT

Career Pathway: AC

Prerequisite: Any one of the following classes: Digital Imaging (943), Photography I (940 or 90940), Photography II (941 or 90941), Introduction to TV/Video Production (608), Advanced TV/Video Production (609)

Advanced course designed to expand on the video arts experiences through the study of film and multi-media communications applications. Students will experience a year of video editing and movie making using Apple© Technology including, iMovie©, iLife©, Final Cut©, Livetype©, Soundtrack©, Photoshop©, and Illustrator©. As well as producing individual projects, students will participate in the recording, editing, and digital publishing of school events and activities. Group work on productions, meeting of deadlines, and film competitions will give this course “real world” application. Students will also explore educational and professional career paths in Film and Video Production.

1937 ADVANCED DRAWING & PAINTING 10, 11, 12 1 CREDIT

Career Pathway: AC

Prerequisite: Drawing (935)

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

This course expands on techniques, art historical awareness, materials used and concepts mastered in 935 Drawing. Additionally, aspects including transparent and opaque painting techniques, along with advanced color theory principles for design are the focus. The course will also cover the higher level techniques used by professional artists in both the fine and commercial arts.

Materials needed: a set of brushes and an air tight Palette Keeper, painter's tape, a sketchbook, and other materials in addition to the pencils, eraser, and sharpeners used in Drawing 935.

1943 ADVANCED PHOTOGRAPHY 10, 11, 12 1 CREDIT

Career Pathway: AC

Prerequisite: Grade of "C" or higher in Photography II (941 or 90941)

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

Students will continue their exploration of Digital Photography. They will work with a DSLR camera (provided) to execute advanced photography techniques to develop a more aesthetic and design-oriented approach. Computer enhancement through Adobe Photoshop© and Aperture© will increase the student's capabilities for marketable skills. Career applications, preparing prints for exhibition, in-depth study of photography as an art form, and portfolio creation and submission will be explored and executed. Materials needed: Students are required to have their own thumb drive, SD memory card, and encouraged to have their own DSLR camera, a tripod and SD card reader. Fee: TBD

1938 AP STUDIO ART 10, 11, 12 1 CREDIT

Career Pathway: AC

Prerequisite: An intro level art course and an advanced level class: Advanced Drawing & Painting (1937),

Advanced Digital Imaging (1948), Advanced Photography (1943), 3-D Design Advanced (950), Ceramics (945)

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

This class is intended to help students prepare for the AP Studio Art Portfolio. The AP Portfolio is designed for students who are seriously interested in the practical experience of visual art. The AP Portfolio is not based on a written exam but through the evaluation of student portfolios at the end of the year. The AP Studio Art program consists of three portfolios: 2D Design, 3D Design and Drawing. Students may submit one, two or all three of the portfolios. The portfolios consist of three content areas; Breadth (versatility), Quality (mastery), and Concentration (focused body of work). Summer work is required.

945 CERAMICS 10, 11, 12 .50 CREDIT

Career Pathway: AC

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

Students will experience the four basic building methods in clay (pinch, coil, slab, and wheel), sculpture and various decorating methods. Improvement in skill development and design possibilities is the basis for evaluating students new to clay work. Students will also work to understand the basis for three-dimensional design, and be exposed to the industrial, utilitarian, and expressive uses for silicates (ceramic compounds). This course is an excellent choice for those students who like working with their hands. There will be an \$18 lab fee to cover the cost of clay and glazes. *The serious student may enroll into 947 3-D for further study in this area

943 DIGITAL IMAGING 9, 10, 11, 12 .50 CREDIT

Career Pathway: AC

This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

This introductory course is for the student who would like to experience the exciting world of digital media and the visual arts. Students will use Apple Macintosh© computers to explore various tools and techniques using Illustrator©, Photoshop©, iPhoto©, iMovie© programs and more. Evaluation will be based on the student's ability to combine design elements and principles with digital media.

- 935 DRAWING** **9, 10, 11, 12 .50 CREDIT**
Career Pathway: AC
This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.
 Drawing basics such as eye-hand coordination, line, shape, texture, form, perspective, proportional, value awareness, and color theory are presented as each student learns drawing techniques and disciplines to develop the means for his/her own expression from a “beginners” level to a progressively more challenging one. Materials needed: include a range of Drawing pencils (4H, 2H, 2B, 4B, 6B), a sketchbook, an eraser, and a pencil sharpener.
- 1939 MURAL PAINTING** **11, 12 2 CREDITS**
Career Pathway: AC
Prerequisite: Grade of B- or higher in Advanced Drawing & Painting (1937)
 In this course students will experience the process of building, and painting large scale paintings for public display. Students will become aware of the relationship between client needs, artistic expression, and public appeal.
- 940 PHOTOGRAPHY I** **9, 10, 11, 12 .50 CREDIT**
Career Pathway: AC
This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.
 Students learn the basics of Digital Photography including how to use a Digital Camera and how to use the Mac OS X operating system. Students will learn digital imaging software for processing digital photographs. They will also learn about the History of Photography, famous photographers, photographic composition and the elements and principles of design. Materials needed: Students are required to have their own thumb drive & “SD” memory card, and encouraged to have their own tripod. Fee: TBD.
- 941 PHOTOGRAPHY II** **9, 10, 11, 12 .50 CREDIT**
Career Pathway: AC
Prerequisite: Grade of “C” or higher in Photography I (940 or 90940)
This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.
 Students will continue their exploration of Digital Photography and how to operate their individual cameras. This class is a bridge between Photography I and Advanced Photography. Students will expand on photography techniques and skills covered in Photography I as well as more complex camera and composition skills. They will also begin to develop their personal photo style and work with themes. Adobe Photoshop will increase the student’s ability to edit photos and learn key design concepts. A digital portfolio is compiled throughout the semester of student’s work. Materials needed: Students are encouraged to have their own thumb drive, SD memory card, and encouraged to have their own DSLR camera, a tripod and SD card reader. Equipment will also be available for checkout.
- 1940 SOCIAL MEDIA** **10, 11, 12 1 CREDIT**
Career Pathway: AC
This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.
 This advanced class will explore and promote all levels of Howell Public Schools through social media including web based and mobile technologies (Facebook, Twitter, etc.) Students will use 21st century skills, critical thinking, problem solving, ethical decisions, and collaboration to understand how social media is changing the way we define a community while using social media tools to connect Howell Public Schools events and information to their audience in new and exciting ways. Selection of participating students in this new and exciting class will be through an application and interview process.
- 2165 YEARBOOK GRAPHICS** **10, 11, 12 1 CREDIT**
Career Pathway: AC
Prerequisite: Written application from student
This course fulfills the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.
 Yearbook Graphics provides the opportunity to use visual arts skills while producing the school yearbook, The Torch. Skill in editing, craftsmanship, interviewing techniques, and how to schedule time productively is developed through hands on practice while producing the yearbook. Extra time outside of class is required.

WORLD LANGUAGE

MICHIGAN MERIT CURRICULUM HIGH SCHOOL GRADUATION REQUIREMENTS, see page 3 for details

**Level IV students may take the AP Test for college credit.
Colleges recommend a minimum of 2 years of the same foreign language.**

31811 AMERICAN SIGN LANGUAGE-LEVEL 1 9, 10, 11, 12 1 CREDIT

Career Pathway: HES, HUS

American Sign Language (ASL) is a complex language that originated from French Sign Language. ASL contains its own syntax and grammar just like any language. In this course, students will be introduced to the basics of ASL and Deaf culture. They will also learn proper facial expression, body shifting, and other methods which give meaning to the language. Students will learn expressive and receptive skills through a variety of learning activities. Credit in American Sign language meets the World Language Requirement.

1851 AMERICAN SIGN LANGUAGE-LEVEL 2 9, 10, 11, 12 1 CREDIT

Career Pathway: HES, HUS

Prerequisite: Credit in American Sign Language Level 1 (31811)

Students will increase their vocabulary, cultural awareness, and conversational fluency in ASL. They will build their receptive/expressive skill levels through doing projects in ASL. They will continue working on proper facial expressions, body shifting, and other methods which give meaning to the language such as classifiers and idioms. Credit in American Sign language meets the World Language Requirement.

1811 FRENCH I 9, 10, 11, 12 1 CREDIT

Career Pathway: AC, BMMT, EMIT, HES, HUS, NRA

Prerequisite: Recommendation of previous English teacher.

French I stress' basic skills in listening, speaking, reading and writing. Students learn to introduce and express basic information about themselves and others. We learn the expressions we need for school, travel, shopping, meeting new friends and ordering at a café. The class is an introduction to the language and culture of French-speaking countries. All students have learning partners, giving lots of opportunity to speak and making the class an excellent way to make the transition to high school. One year of study is required for students who wish to join a student group traveling to Quebec, Canada. Four years of French are offered at Howell High School.

1812 FRENCH II 9, 10, 11, 12 1 CREDIT

Career Pathway: AC, BMMT, EMIT, HES,HUS, NRA

Must earn 70% (or higher) in French I (1811), a 77% (or higher) on the Testing-Out Test, and/or teacher discretion.

French II students learn to elaborate upon what they have already learned. Through a closer look at language theory, students learn to see patterns and are able to express themselves more completely. We learn more about the history and culture of France as well as other French-speaking areas such as the Caribbean Islands and Africa. Two years of study are required for students who wish to join the summer language study/home stay tour to France.

1813 FRENCH III 10, 11, 12 1 CREDIT

Career Pathway: AC, BMMT, EMIT, HES,HUS, NRA

Must earn 70% (or higher) in French II (1812), a 77% (or higher) on the Testing-Out Test, and/or teacher discretion.

French III students continue to develop and refine their skills. They expand their understanding of culture through the study of geography, history, the arts and sciences, and daily life in francophone countries. We use a text, film, poetry, music, short stories, articles on current issues, a short novel and the Internet as basic resources.

1814 FRENCH IV 11, 12 1 CREDIT

Career Pathway: AC, BMMT, EMIT, HES,HUS, NRA

Must earn 70% (or higher) in French III (1813), a 77% (or higher) on the Testing-Out Test, and/or teacher discretion.

French IV is offered to seniors who began with French I in the ninth grade. We continue working with up-to-date and interesting materials to develop the knowledge and skills needed to travel, study and work at the international level. Students who successfully complete four years of study are prepared to communicate in the language and to continue studies at the advanced college level. Many colleges offer retroactive credit for those who place into and succeed at the college sophomore level.

1821 GERMAN I 9, 10, 11, 12 1 CREDIT

Career Pathway: AC, BMMT, EMIT, HES,HUS, NRA

Prerequisite: Recommendation of previous English teacher.

German I incorporates the skills of reading, writing, listening, and speaking. Students learn to introduce and express information about themselves and others. Additionally, students will be able to communicate in German about school subjects, the weather, likes/dislikes, ordering in a restaurant, and traveling. Beginning grammatical structures in both English and German are compared and contrasted. Various aspects of German culture will be discussed, including the fall of the Berlin Wall, German holidays, and native foods.

1822 GERMAN II 10, 11, 12 1 CREDIT

Career Pathway: AC, BMMT, EMIT, HES,HUS, NRA

Must earn 70% (or higher) in German I (1821), a 77% (or higher) on the Testing-Out Test, and/or teacher discretion.

German II continues to stress the seven skills from German I while presenting a substantial number of remaining grammatical features. Greater emphasis is placed on using spoken German in conversational and narrative situations, especially in the second semester, while refining skills in writing, comprehension, retention, and elementary composition. The cultures of the German-speaking countries are presented with added historical perspective.

1823 GERMAN III 11, 12 1 CREDIT

Career Pathway: AC, BMMT, EMIT, HES,HUS, NRA

Must earn 70% (or higher) in German II (1822), a 77% (or higher) on the Testing-Out Test, and/or teacher discretion.

German III continues to elaborate on the seven skills from German I and II. Advanced written material is presented with the intent of sharpening reading and comprehension skills as well as broadening the student's German vocabulary. Extensive use is made of expressions. All remaining grammar topics are discussed. Contemporary German society is also highlighted. Students are exposed to career opportunities, which make use of world language backgrounds and training.

1824 GERMAN IV 12 1 CREDIT

Career Pathway: AC, BMMT, EMIT, HES,HUS, NRA

Must earn 70% (or higher) in German III (1823), a 77% (or higher) on the Testing-Out Test, and/or teacher discretion.

German IV is designed as an individualized course for seniors and advanced juniors. At this level, students are often expected to work on their own initiative in small groups and alone. Depending on student abilities, interest and enrollment, first quarter is spent reading the novel EMIL UND DIE DETEKTIVE (Emil and the Detectives), the story of a young man in Germany before World War II. The text is printed in Fraktur (Gothic or Old English typeface), since this style of print is very common in documents before 1940. The Second Semester presents a post-war anthology, LEBENDIGE LITERATUR (Living Literature), which serves as an introduction to German Literature by using material from selected contemporary authors.

1831 SPANISH I 9, 10, 11, 12 1 CREDIT

Career Pathway: AC, BMMT, EMIT, HES,HUS, NRA

Prerequisite: Recommendation of previous English teacher.

Spanish I provides an introduction to Spanish conversation and cultures of the various Hispanic countries. Skill in speaking, reading, writing, and understanding basic thoughts in Spanish is developed through oral and written exercises, reading, dialogues, and audio-visual materials.

1832 SPANISH II 9, 10, 11, 12 1 CREDIT

Career Pathway: AC, BMMT, EMIT, HES,HUS, NRA

Must earn 70% (or higher) in Spanish I (1831), a 77% (or higher) on the Testing-Out Test, and/or teacher discretion.

Spanish II provides an opportunity to improve the pronunciation, speaking, reading, writing, and aural skills learned in Spanish 1. Hispanic cultures are presented in more depth, as well as more vocabulary and grammar. A greater emphasis is placed on speaking and understanding spoken Spanish. This course should be taken immediately following Spanish I.

1833 SPANISH III 10, 11, 12 1 CREDIT

Career Pathway: AC, BMMT, EMIT, HES,HUS, NRA

Must earn 70% (or higher) in Spanish II (1832), a 77% (or higher) on the Testing-Out Test, and/or teacher discretion.

Spanish III is conducted primarily in Spanish. Students work to perfect pronunciation, develop free conversation skills, and develop and refine advanced grammar skills. Literary periods of Hispanic literature are included with reading from a variety of Hispanic authors.

1834 SPANISH IV 11, 12 1 CREDIT

Career Pathway: AC, BMMT, EMIT, HES,HUS, NRA

Must earn 70% (or higher) in Spanish III (1833), a 77% (or higher) on the Testing-Out Test, and/or teacher discretion.

Conducted primarily in Spanish, students will improve and refine skills across the three modes of communication. Students will also gain a deeper cultural understanding of the products, practices, and perspectives of the many countries of the Spanish-speaking world and connect and compare their understanding to experiences in their own community.

21835 AP SPANISH 11, 12 1 CREDIT

Career Pathway: AC, BMMT, EMIT, HES, HUS, NRA

Prerequisite: Spanish IV (1834) and teacher recommendation of previous Spanish teacher.

The AP Spanish Language and Culture course is a rigorous course taught exclusively in Spanish that requires students to improve their proficiency across the three modes of communication. The course focuses on the integration of authentic resources including online print, audio, and audiovisual resources, as well as traditional print resources that include literature, essays, and magazine and newspaper articles with the goal of providing a rich, diverse learning experience. Students communicate using rich, advanced vocabulary and linguistic structures as they build proficiency in all modes of communication toward the pre-advanced level.

DUAL ENROLLMENT

Students in the Howell Public Schools District may qualify for enrollment in undergraduate courses in college level accredited institutions even as they are completing required and elective coursework leading to a Howell High School diploma. This opportunity falls within Michigan's Public Act 160, the Post-secondary Enrollment Options Act. Under this Act, Howell Public Schools are required to pay tuition and fees for high school students in grades 11 and 12 who attend Michigan public or private, degree-granting institutions under certain conditions.

Who is eligible to Dual Enroll?

Students in grades 9-12.

Students who have earned a qualifying score on the ACT, PLAN, PSAT, SAT or M Step Exam in the subject that is consistent with the content area of the college class or have administrative approval.

Students who are enrolled in at least one course at Howell High School.

See the minimum qualifying scores in the Howell High School Required Dual Enrollment Paperwork at:

http://www.howellschools.com/files/1604457/dual_enrollment_form.pdf

What type of class(es) can I take?

Any course that is academically or career oriented.

Any course that is not already taught at Howell High School.

Excluded courses include: divinity/theology, hobby/craft, recreation/physical education.

Where can I take dual enrollment courses?

At any local college or university in which you have applied and have been accepted.

Most commonly attended schools for Howell students are: LCC, Cleary University, University of Michigan – Flint, WCC and Spring Arbor University.

LCC Dual Enrollment Forms

<http://www.lcc.edu/admissions/dual/forms/>

Cleary University Dual Enrollment

<http://www.cleary.edu/undergraduate/hs/dual-enrollment/index.aspx>

U of M Flint DEEP Program Information

<http://www.umflint.edu/news/university-news/um-flint-and-livingston-county-schools-establish-dual-enrollment-educational-partnership-deep/>

U of M Flint Dual Enrollment

<http://www.umflint.edu/admissions/students/dual-enrollee.htm>

WCC Dual Enrollment

<http://www.wccnet.edu/academics/classes/dual-enrollment/>

Spring Arbor University Dual Enrollment

<http://www.arbor.edu/Dual-Enrollment/Undergraduate/index.aspx>

What will my schedule at HHS look like?

You will need to be enrolled in a minimum of one class per semester.

A 3 or 4 credit college class will take the place of 2 of your HHS classes.

A 1 or 2 credit college class will take the place of 1 of your HHS classes

What is the cost associated with dual enrollment?

There is a set amount that HPS will pay for each college class. See the billing form in the Howell High School Required Dual Enrollment Paperwork at:

http://www.howellschools.com/files/1604457/dual_enrollment_form.pdf

The student is responsible for anything over and above that amount in addition to books and providing his/her own transportation.

Will I earn both college and high school credit?

You can choose to earn credit at HHS and your grade will factor into your high school GPA. If you choose not to count your college classes toward high school credit, your grade and credit will not be included in your GPA or total credits.

You will earn college credit with the college in which you dual enroll; however, it will be up to your final college choice (after high school graduation) as to whether they will accept the credit as college credit.

When do I sign up?

If you are interested in fall dual enrollment, it is best to see your counselor in early April of the preceding year.

If you are interested in spring dual enrollment, it is best see your counselor in early October in the current school year.

Keep an eye on college admissions & registration deadlines as they vary.

How do I apply?

Print off the Howell High School Required Dual Enrollment Paperwork at:

http://www.howellschools.com/files/1604457/dual_enrollment_form.pdf

Follow the instructions carefully. Turn in paperwork as soon as possible.

Apply online to the college of your choice.

After admittance to the college, talk to an admissions counselor about eligible and appropriate classes.

Secure the college's dual enrollment paperwork either from your counselor or the college.

Make sure your counselor has a copy of the completed college dual enrollment paperwork.

Student is responsible for making sure the college has all paperwork required.

Register for classes. Keep in mind you must give yourself enough time for travel.

Bring your counselor a copy of your college schedule. Reimbursement for your college class/classes will not take place without a copy of your college schedule.

When course is complete, student must request that official college transcripts be sent to Ms. Blair at Howell High School Guidance Office.

More Frequently Asked Questions:

http://michigan.gov/documents/mde/9-12_Dual_Enrollment_FAQs_397781_7.pdf

Advanced Placement and Dual Enrollment:

http://michigan.gov/mistudentaid/0,4636,7-128-60969_61038_61062_61778-136960--,00.html

Earning College Credit in High School:

http://www.michigan.gov/documents/mde/Early_College_Credit_3.2.07_188778_7.pdf

Howell High School
Possible College and High School Credits

Class – Business

College – Ferris State (3), WCC (8-10), Cleary (4) Schoolcraft (3)
High School - senior year math

Class – CAD Design (Mechanical Drafting)

College – Ferris State (9), Schoolcraft (3)
High School - senior year math, VPAA

Class – Construction Trades

College – WCC (3), Ferris State (3), LCC (15)
High School - senior year math

Class – Culinary Art & Hospitality

College – Ferris State (9), WCC (6)
High School - senior year math, VPAA

Class – Early Childhood Education

College – Ferris State (4), Baker (12), Schoolcraft (3 + 75 hours), LCC (2)
High School - senior year math, VPAA

Class – Entrepreneurship

College – WCC (3), Cleary (4), Schoolcraft (4)
High School – senior year math

Class – Health Occupations 1 & 2

College – WCC (1-6), Ferris State (2), Schoolcraft (2), 2nd year only –LCC (2)
High School - VPAA, senior year math (Health Occupations 2 only)

Class – Manufacturing / Internship

College – WCC (7-9)
High School - senior year math, VPAA

Class – Marketing and Management

College – Ferris State (3), Baker (12)
High School - VPAA

Class – Marketing II / School Store

College – Baker (4), LCC (3), WCC (3)
High School - senior year math

Class – Education Careers

College – Ferris State (3), Baker (3), EMU (1 Fete), Davenport (3)
High School – senior year math, VPAA

Class – Pre-Building Trades, Pre CAD Design, Pre Manufacturing, and Introduction to Engineering

High School – senior year math .5

Shared LATEC Programs
Possible College and High School Credits

Class – Alternative Energy (Hartland H.S.)

College –WCC (3)
High School - VPAA, Senior year math, online experience

Class – Advanced Automotive Technology (Fowlerville H.S.)

College – Baker (8-16), Ferris State (20), WCC (6-10)
High School - Senior year math, VPAA

Class – Computerized Financial Accounting (Pinckney H.S.)

College – Direct Credit -Transcript from Kansas State University (3-6)
High School - senior year math

Class – Computer Network Engineering (Pinckney H.S.)

College – Ferris State (12), WCC (12), Baker (6), Cleary (4), LCC (12)
High School - senior year math

Class – Engineering / Robotics 1, 2 (Pinckney H.S.)

College – WCC (4), Ferris State (9)
High School – senior year math, VPAA

Class – Graphic Communications (Brighton H.S.)

College – WCC (15), Ferris State (3-9)
High School - senior year math, VPAA

4th YEAR MATHEMATICS EXPERIENCE COURSES

These Howell High School Courses fulfill the MMC graduation requirement toward math-related experience for students currently in their senior year of high school.

Course #	Course Name	Credit
1593	Accounting	1
1574	Advanced Computer Network Engineering (Pinckney)	3
1682	Advanced Automotive Technology (Fowlerville)	3
1630	Alternative Energy (Hartland)	3
540 & 541	Business Law I & II (enrollment in both courses)	.50 + .50 = 1
1604	CAD Design (Howell and Hartland)	2
1574	Computer Network Engineering (Pinckney)	3
1594	Computerized Financial Accounting (Pinckney)	3
1620	Construction Trades (Howell)	2
1775	Culinary Arts & Hospitality 1 (Howell)	2
1776	Culinary Arts & Hospitality 2 (Howell)	2
1780	Early Childhood Education I and II (Howell)	2
1762	Education Careers	2
1695	Engineering / Robotics 1 (Pinckney)	3
1695	Engineering / Robotics 2 (Pinckney)	3
1580	Graphics Communications (Brighton)	3
1792	Health Occupations 2 (Howell)	2
608 & 609	Introduction to TV / Video Production and Advanced TV / Video Production (enrollment in both courses)	.50 + .50 = 1
509 & 510	Introduction to Web Page Design and Advanced Web Page Design (enrollment in both courses)	.50 + .50 = 1
1515	Marketing and Management	1
1517	Marketing II / School Store	2
1692	Manufacturing / Internship	2
488 & 489	Microsoft Office Specialist (MOS) I and II (enrollment in both courses)	.50 + .50 = 1

Students must be enrolled in a math related experience earning 1 to 3 credits for the entire year or senior math credit will not be earned.

All college bound students are strongly encouraged to enroll in a math course their senior year.

*note: all math courses listed in the Course Guide also fulfill this requirement

VISUAL, PERFORMING, APPLIED ARTS COURSES

These Howell High School Courses fulfill the MMC graduation requirement toward 1.0 credits in Visual, Performing, or Applied Arts.

Course #	Course Name	Credit
1950	3-D Design	.50
950	3-D Design Advanced	1
1970	A Cappella Choir	1
1682	Advanced Automotive Technology	3
1574	Advanced Computer Network Engineering	3
1948	Advanced Digital Imaging	1
1152	Advanced Drama	1
1937	Advanced Drawing & Painting	1
1164	Advanced Journalism	1
1943	Advanced Photography	1
609	Advanced TV / Video Production	.50
1938	AP Studio Art	1
1604	CAD Design	2
945	Ceramics	.50
1980	Concert Band	1
1574	Computer Network Engineering	3
1620	Construction Trades	2
1775	Culinary Arts & Hospitality 1	2
1776	Culinary Arts & Hospitality 2	2
943	Digital Imaging	.50
150	Drama I	.50
151	Drama II	.50
935	Drawing	.50
1780	Early Childhood Education I & II	2
1762	Education Careers	2
1793	Emergency Medical Training (EMT)	2
1695	Engineering / Robotics 1	3
1695	Engineering / Robotics 2	3
728	Family and Relationships	.50
1794	Firefighters 1 and 2	3
1580	Graphic Communications	3
1790	Health Occupations 1	2
1792	Health Occupations 2	2
730	Interior Design	.50
605	Introduction to Engineering	.50
608	Introduction to TV / Video Production	.50
509	Introduction to Web Page Design	.50
1692	Manufacturing / Internship	2
1990	Marching Band	.50
987	Music Seminar	.50
710	Nutrition and Culinary Exploration I	.50
711	Nutrition and Culinary Exploration II	.50
1984	Percussion Sectionals	1
940	Photography I	.50
941	Photography II	1
619	Pre Building Trades	.50
603	Pre CAD Design	.50
690	Pre Manufacturing	.50
1940	Social Media	1
1981	Symphonic Band	1
1971	Varsity Men's Choir	1
1972	Varsity Women's Choir	1
1982	Wind Ensemble	1
1974	Women's Select Choir	1
1976	Women's Chorale	1
2162	Yearbook Graphics	1
1162	Yearbook Journalism	1

INDEX

3-D DESIGN ADVANCED.....	44	GERMAN IV.....	48
3-D DESIGN.....	44	GLOBAL ISSUES & CURRENT EVENTS.....	42
4 th Year Mathematics Experience Courses toward graduation requirements.....	53	GOVERNMENT.....	42
A CAPPELLA CHOIR.....	33	Grading Scale.....	5
ACCOUNTING.....	17	GRAPHIC COMMUNICATIONS.....	14
ADVANCED AUTOMOTIVE TECHNOLOGY.....	15	Guidance Office.....	4
ADVANCED COMPOSITION.....	21	HEALTH EDUCATION.....	27
ADVANCED COMPUTER NETWORK ENGINEERING.....	15	HEALTH OCCUPATIONS 1.....	27
ADVANCED DIGITAL IMAGING.....	44	HEALTH OCCUPATIONS 2.....	28
ADVANCED DIGITAL VIDEO.....	44	High School Graduation Requirements.....	3
ADVANCED DRAMA.....	24	HISTORY OF PHILOSOPHY.....	42
ADVANCED DRAWING & PAINTING.....	45	HONORS ALGEBRA 1.....	31
ADVANCED JOURNALISM.....	21	HONORS ALGEBRA 2.....	31
ADVANCED PHOTOGRAPHY.....	45	HONORS AMERICAN LITERATURE.....	22
ADVANCED TV / VIDEO PRODUCTION.....	10	HONORS BIOLOGY.....	40
ADVANCED WEB PAGE DESIGN.....	17	HONORS CHEMISTRY.....	40
AGRICULTURE.....	14	HONORS ENGLISH 10.....	22
Air Force Junior ROTC Courses.....	9	HONORS ENGLISH 9.....	22
ALGEBRA 1.....	30	HONORS GEOMETRY.....	31
ALGEBRA 2.....	30	HONORS PHYSICS.....	40
ALGEBRA 3.....	30	HONORS WORLD HISTORY.....	42
ALTERNATIVE ENERGY.....	14	HONORS WORLD LITERATURE 10.....	22
AMERICAN SIGN LANGUAGE-LEVEL 1.....	47	HOSPITALITY AND TOURISM.....	28
AMERICAN SIGN LANGUAGE-LEVEL 2.....	47	HUMANITIES.....	23
ANATOMY.....	38	INTERIOR DESIGN.....	28
AP BIOLOGY.....	38	INTRODUCTION TO AVIATION.....	34
AP CALCULUS AB.....	30	INTRODUCTION TO BUSINESS.....	18
AP CALCULUS BC.....	30	INTRODUCTION TO ENGINEERING.....	11
AP CHEMISTRY.....	38	INTRODUCTION TO PROBABILITY AND STATISTICS.....	31
AP COMPARATIVE GOVERNMENT AND POLITICS.....	41	INTRODUCTION TO PROGRAMMING.....	19
AP ECONOMICS.....	41	INTRODUCTION TO SOCIOLOGY.....	43
AP ENGLISH: LANGUAGE & COMPOSITION.....	21	INTRODUCTION TO TV / VIDEO PRODUCTION.....	11
AP ENGLISH: LITERATURE & COMPOSITION.....	21	INTRODUCTION TO WEB PAGE DESIGN.....	18
AP EUROPEAN HISTORY.....	41	JOURNALISTIC WRITING.....	25
AP GOVERNMENT.....	41	JROTC: AEROSPACE SCIENCE AND LEADERSHIP EDUCATION.....	9
AP PHYSICS (C).....	38	JROTC: MANAGEMENT OF THE CORPS.....	9
AP PHYSICS 1 & 2.....	38	LEADERSHIP / ACTIVITIES.....	34
AP PSYCHOLOGY.....	41	LEVEL II: AMERICAN RED CROSS LIFEGUARD TRAINING.....	35
AP SPANISH.....	49	LEVEL II: TEAM SPORTS.....	35
AP STATISTICS.....	30	LEVEL II: WEIGHT LIFTING & CONDITIONING.....	36
AP STUDIO ART.....	45	LEVEL III: STRENGTH & CONDITIONING.....	36
AP UNITED STATES HISTORY.....	42	MANUFACTURING / INTERNSHIP.....	32
Applied Industrial Technology Education Courses.....	10-12	MARCHING BAND.....	32
Applied Technology Education (LATEC) Courses.....	13-16	MARKETING AND MANAGEMENT.....	18
BASIC AEROBICS / SWIMMING.....	35	MARKETING II / SCHOOL STORE.....	18
BASIC PHYSICAL EDUCATION / SWIMMING.....	35	MATH LAB.....	31
BIOLOGY.....	38	Mathematics Courses.....	29-31
BUSINESS LAW I.....	17	Michigan Merit Curriculum.....	3
BUSINESS LAW II.....	17	MICROSOFT OFFICE SPECIALIST (MOS) I.....	18
Business Services Technology Courses.....	17-18	MICROSOFT OFFICE SPECIALIST (MOS) II.....	18
CAD DESIGN.....	10	MURAL PAINTING.....	46
Career Pathways.....	7	MUSIC SEMINAR.....	32
CERAMICS.....	45	Music: Instrumental Courses.....	32
CHEMISTRY.....	39	Music: Vocal Courses.....	33
CHILD DEVELOPMENT AND PSYCHOLOGY.....	26	Non Departmental Courses.....	34
Class Ranking Procedures.....	4	NUTRITION AND CULINARY EXPLORATION I.....	28
COMPUTER GRAPHICS.....	19	NUTRITION AND CULINARY EXPLORATION II.....	28
COMPUTER NETWORK ENGINEERING.....	15	On-the-job Credit.....	8
Computer Science Courses.....	19	ORGANIC CHEMISTRY.....	40
COMPUTERIZED FINANCIAL ACCOUNTING.....	16	PERCUSSION SECTIONALS.....	32
CONCERT BAND.....	32	PERSONAL FINANCE.....	31
CONSTITUTIONAL LAW-WE THE PEOPLE.....	42	PHOTOGRAPHY I.....	46
CONSTRUCTION TRADES.....	11	PHOTOGRAPHY II.....	46
CO-OP 1 HR.....	34	Physical Education Courses.....	35-36
CO-OP 2 HR.....	34	PHYSICS.....	40
CO-OP 3 HR.....	34	POETRY.....	25
COSMETOLOGY.....	14	PROFESSIONAL AND NARRATIVE WRITING.....	25
CREATIVE WRITING.....	24	PRE BUILDING TRADES.....	12
CRIMINALISTICS.....	39	PRE CAD DESIGN.....	12
CULINARY ARTS & HOSPITALITY 1.....	26	PRE MANUFACTURING.....	12
CULINARY ARTS & HOSPITALITY 2.....	26	PRE-CALCULUS AND DISCRETE MATHEMATICS.....	31
DEBATE.....	24	PRIVATE PILOT GROUND SCHOOL.....	13
DIGITAL IMAGING.....	45	Procedures for Dropping and Adding Courses.....	5
DRAMA AS LITERATURE.....	24	PROGRAMMING 2.....	19
DRAMA I.....	24	Promotion Procedures.....	4
DRAMA II.....	24	PSYCHOLOGY I.....	43
DRAWING.....	46	PSYCHOLOGY II.....	43
Dual Enrollment.....	50-52	RACKET AND NET SPORTS.....	36
EARLY CHILDHOOD EDUCATION I AND II.....	26	Repeating Courses.....	4
ECONOMICS.....	42	Science Courses.....	37-40
EDUCATION CAREERS.....	27	SENIOR ENGLISH.....	23
EMERGENCY MEDICAL TRAINING (EMT).....	28	SOCIAL MEDIA.....	25
ENGINEERING / ROBOTICS 2.....	16	SOCIAL MEDIA.....	46
ENGINEERING / ROBOTICS 1.....	16	Social Studies Courses.....	41-43
ENGLISH 10.....	22	SOCIOLOGY: SOCIAL ISSUES.....	43
ENGLISH 11.....	22	SPACE SCIENCE.....	40
ENGLISH 9 INTRODUCTION TO LITERATURE AND COMPOSITION.....	21	SPANISH I.....	49
English Course Recommendations.....	20	SPANISH II.....	49
English Courses.....	21-23	SPANISH III.....	49
English Electives Courses.....	24-25	SPANISH IV.....	49
ENTREPRENEURSHIP.....	17	STUDY STRATEGIES FOR AP CLASSES.....	34
ENVIRONMENTAL SCIENCE: CLIMATE.....	39	SYMPHONIC BAND.....	32
ENVIRONMENTAL SCIENCE: ECOLOGY.....	39	Testing Out Procedures.....	4
ESSENTIALS OF CHEMISTRY AND PHYSICS.....	39	TRIGONOMETRY.....	31
EXPLORING CAREER DECISION-MAKING.....	27	UNITED STATES HISTORY.....	43
FAMILY & RELATIONSHIPS.....	27	VARSITY MEN'S CHOIR.....	33
Family and Consumer Sciences Courses.....	26-28	VARSITY WOMEN'S CHOIR.....	33
FANTASY & SCIENCE FICTION.....	25	Visual Arts Courses.....	44-46
FIREFIGHTERS 1 AND 2.....	11	Visual, Performing, Applied Arts Courses toward graduation requirements.....	54
Four-Year High School Plan.....	6	WIND ENSEMBLE.....	32
FRENCH I.....	47	WOMEN'S CHORALE.....	33
FRENCH II.....	47	WOMEN'S SELECT CHOIR.....	33
FRENCH III.....	47	WORLD HISTORY.....	43
FRENCH IV.....	48	World Language Courses.....	47-49
FRESHMAN FOCUS.....	34	WORLD RELIGIONS.....	43
FUNCTIONS, STATISTICS AND TRIGONOMETRY.....	30	YEARBOOK GRAPHICS.....	46
GAMING & APPLICATION ENGINEERING I.....	17	YEARBOOK JOURNALISM.....	25
GAMING & APPLICATION ENGINEERING II.....	17		
GEOMETRY.....	30		
GERMAN I.....	48		
GERMAN II.....	48		
GERMAN III.....	48		