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GUIDANCE COUNSELORS
MR. DANIEL GUTHRIE MS. KELLI WALKER

GRADUATION REQUIREMENTS

All students must earn a minimum of 46 credits in order to meet the approved graduation requirements of Mt. Vernon Senior High School.

Students will have the option of choosing between four diplomas: General, Core 40, Core 40 with Technical Honors or Core 40 with Academic Honors. Core 40 is the recommended high school curriculum for all students. All but the general diploma have the criteria for meeting the Core 40 Diploma as a part of their requirements. Students choosing to earn a General Diploma must have parents or guardians sign a form agreeing to give the students permission to do so.

GENERAL DIPLOMA

REQUIRED SUBJECTS

CREDITS

*Language Arts (English 9,10,11,12)	8
U. S. History	2
Government	1
Economics	1
Any other Social Studies	2
Math	4
Algebra - 2 credits	
Any other Math - 2 credits	
Science	4
Biology - 2 credits	
Any other Science - 2 credits	
**Health and Wellness	1
Physical Education	2
***Technology Competency	2
TOTAL REQUIRED CREDITS	27
TOTAL ELECTIVE CREDITS	<u>19</u>
TOTAL REQUIRED FOR GRADUATION	46

All students must earn either two (2) math credits or two (2) quantitative reasoning credits (Listed on page 4) during their junior or senior year.

*Students must successfully complete the following coursework in order to meet MVHS Language Arts graduation requirements: English 12 (2 semesters), **OR** English 12 (1 semester) and Contemporary Literature (1 semester).

**The Health and Wellness credit may be waived if a student's program includes three (3) credits from the following Family and Consumer Science Courses: Child Development, Human Development and Family Wellness, Interpersonal Relationships, Nutrition and Wellness, or Adult Roles and Responsibilities.

***Areas of Technology Competency are listed on page 4.

-Algebra Enrichment only counts as a math credit for General Diploma

INDIANA CORE 40 DIPLOMA

<u>REQUIRED SUBJECTS</u>	<u>CREDITS</u>
*Language Arts (English 9, 10, 11, 12)	8
U.S. History	2
Government	1
Economics	1
World History/Civilization or Geography/History of the World	6
Math	6
**Algebra, Geometry and Algebra II or higher	
Science	6
Biology I or Honors Biology	
Chemistry I or Physics I or Integrated Chemistry-Physics	
Any other Core 40 science course	
***Health and Wellness	1
Physical Education	2
****Technology Competency	2
TOTAL REQUIRED CREDITS	31
TOTAL ELECTIVE CREDITS	<u>15</u>
TOTAL REQUIRED FOR GRADUATION	46

All students must earn either two (2) math credits or two (2) quantitative reasoning credits (Listed on page 4) during their junior or senior year.

*Students must successfully complete the following coursework in order to meet MVHS Language Arts graduation requirements: English 12 (2 semesters), **OR** English 12 (1 semester) and Contemporary Literature (1 semester).

***The Health and Wellness credit may be waived if a student's program includes three (3) credits from the following Family and Consumer Science courses: Child Development, Human Development, and Family Wellness, Interpersonal Relationships, Nutrition and Wellness, or Adult Roles and Responsibilities.

****Areas of Technology Competency are listed on page 4.

CORE 40 WITH ACADEMIC HONORS

In addition to the requirements for the Core 40 Diploma, students must also:

1. Earn 2 additional Core 40 math credits, and
2. Earn 6-8 Core 40 World Language credits, and
3. Earn 2 Core 40 fine arts credits, and
4. Earn a grade of "C" or above in courses that will count toward the diploma, and
5. Have a grade point average of "B" or above, and
6. Complete one of the following:
 - A. Two Advanced Placement courses and corresponding AP exams
 - B. Complete dual high school/college credit courses from an accredited post Secondary institution (6 transferrable college credits.)
 - C. Score 1200 or higher combined SAT math and Critical Reading
 - D. Score 26 composite ACT
 - E. An International Baccalaureate Diploma
 - F. Complete a combination of AP courses (2 credits) and corresponding AP exams and dual high school/college credit courses from an accredited post secondary institution (3 transferrable college credits)

CORE 40 WITH TECHNICAL HONORS

In addition to the requirements for the Core 40 Diploma, students must also:

1. Earn a grade of “C” or above in courses that will count toward the diploma, and
2. Have a grade point average of “B” or above, and
3. Complete a career-technical program resulting in 8 or more credits, and
4. Complete two of the following, one must be A or B:
 - A. Score at or above the following levels on WorkKeys: Reading for Information-Level 6; Applied Mathematics-Level 6; Locating Information -Level 5
 - B. Complete dual high school/college credit courses in a technical area (6 college credits)
 - C. Complete a professional Career Internship course or Cooperative Education course (2 credits)
 - D. Complete an industry-based work experience as part of two-year technical education program (minimum 140 hours)
 - E. Earn a state-approved, industry-recognized certification

TECHNOLOGY COMPETENCY (TWO CREDITS)

Information Technology
Computer Programming I, II
Digital Design
Computers in Design

Digital Citizenship
Interactive Media
Communication Processes I, II
Design Process

QUANTITATIVE REASONING

Agribusiness Mngt (5002)
Landscape Mngt (5136)
Business Math (4512)
Computer Programming I (4634)
Computer Programming II (5236)
Economics (1514)
Chemistry I (3064)
Chemistry II (3066)
Physics I (3084)
Advanced Manufacturing II (5606)
Construction Technology: HVAC I (5498)
Construction Technology: Electrical II (4832)
Precision Machining (5782)
Precision Machining (5784)

HONORS AT MT. VERNON SENIOR HIGH SCHOOL

The following academic honors are open to all students at Mt. Vernon Senior High School. Other honors are available through specific departments and various community organizations. The freshman and sophomore years are most essential in qualifying for honors. Avoid regrets as a junior and senior by being aware of the qualifications and setting goals for these upon entering high school.

HONOR ROLL

High Honors:

No grade shall be below an A- and the nine week GPA must be 4.000.

Maroon Honors:

The nine week GPA must be between 3.50 and 3.99.

Gray Honors:

The nine week GPA must be between 3.00 and 3.49.

An A is worth 4 grade points, a B - 3 points, a C - 2 points and a D - 1 point. This same point system is used in figuring class rank and cumulative grade point averages on permanent records. *A grade of a U in a class eliminates a student from the honor roll.

NATIONAL HONOR SOCIETY

In order to be eligible for induction into the National Honor Society, a student must be a junior or senior and have a minimum grade point average of 3.5. Those selected for National Honor Society must also qualify on the basis of citizenship, leadership, character, and school and community service. A committee of educators selects members by considering recommendations of other teachers and the student's academic and activity records. New members are inducted each year during the second semester.

GRADUATION HONORS

Honor students will be recognized as follows in the commencement program, newspaper publications, etc.:

Highest Honors	3.9 or above
High Honors	3.7 to 3.89
Honors	3.5 to 3.69

The students qualifying for these honor groups will be presented the following honors insignia to be worn with their cap and gown at graduation ceremonies: highest honors — a gold stole; high honors — gold honor cords; honors — maroon/gray honor cords. All three groups wear gold tassels and academic achievement medals. Students earning an Academic Honors Diploma will also receive an Academic Honors Medal. These distinctions are based upon the student's cumulative GPA after seven semesters.

GUIDELINES AND RECOMMENDATIONS FOR COURSE SELECTIONS
GENERAL GUIDELINES FOR ALL STUDENTS

Exceed the minimal requirements in amount and difficulty of credits. Keep your options open even though you feel you have arrived at a specific career choice. The difficulty of classes you include in your high school program is as important as your grade point average. Continue into the advanced level of skill-development classes.

CLASS LOAD

All students must be in class for 8 periods. Two periods may be a study hall. Students should not be enrolled in two study halls on the same day.

AUDITING CLASSES

If space permits, a student may audit under the following conditions:

1. The student has taken the audited class previously for credit.
2. The audited class is taken in addition to the required class load of six (6) credit classes.
3. No grade or credit is granted. The audit will be noted on the student's record.
4. The student attends class regularly and participates as required. The student completes written assignments and tests. Failure to follow these guidelines may result in the student being placed in a study center.
5. The student must be passing at the completion of each nine (9) weeks grading period. Failure to earn passing marks at the conclusion of any nine (9) weeks grading period will result in the student being placed in a study center, and termination of the auditing opportunity.
6. Prior to auditing approval, the guidance counselor will discuss the potential audit with the teacher involved.

COURSE RETAKE PROCEDURES

Students may be permitted to re-take courses to improve low grades with teacher approval and available space. The following guideline should be considered.

1. Previous grades will not be replaced or removed from the transcript and will continue to count in GPA and class ranking.
2. Students can retake courses to restore Core 40 with Academic Honors diploma eligibility (all grades C- or better.) However, these courses will still be governed by the above procedure. (i.e., they will not replace prior grades.)
3. Re-take grades will count in GPA and class rank computation.

DROPPING/ADDING A CLASS

Dropping a class to enroll in another class may be approved up to and through the second (2nd) official attendance record meeting of the class the student wishes to drop. Class changes within the same discipline (ex. Algebra to Pre-Algebra) with agreement between the counselor, teacher, parent/guardian and student, may occur beyond the third meeting of the course drop/add deadline.

A student enrolled in an Honors level class may transfer to the same course on a non-honors level up until the last day of the first nine weeks of the semester without penalty. Any transfer beyond this date will result in the student receiving a withdrawal/failure (WU) grade for the semester.

DROPPING A CLASS FOR A STUDY CENTER

Requests to drop a class in favor of a study center may be made to the guidance department no later than the end of the sixth week of the semester without the penalty of a withdrawal/failure. Requests will be considered only if the student is currently enrolled in one (1) study center or less at the time of the request.

CORRESPONDENCE CLASSES

Mt. Vernon Senior High School accepts credits earned through the Indiana University correspondence program or other accredited programs. These classes may be taken to make up classes failed or for enrichment in subject areas not available at MVSHS. See a counselor for an informational booklet and registration forms.

THE FOLLOWING CIVIL RIGHTS POLICY IS ADHERED TO FOR CLASS ENROLLMENT AS WELL AS ALL OTHER FUNCTIONS AT MT. VERNON SENIOR HIGH SCHOOL: "IT IS THE POLICY OF THE MSD OF MT. VERNON TO CONFORM TO THE LAWS OF THE UNITED STATES AND NOT TO DISCRIMINATE WITH REGARD TO ONE'S RACE, COLOR, RELIGION, NATIONAL ORIGIN, SEX, AGE, ANCESTRY, MARITAL STATUS, OR HANDICAP."

STANDARDIZED TESTS

Many colleges require students to take a standardized test to be admitted. College admission offices must compare students; colleges use standardized tests as an indicator of the student's preparation for college classes and to evaluate how successful they may be in college.

The PSAT is given in October each year. All sophomores and juniors are notified of this test and must register in the counseling area. Juniors with high PSAT scores are eligible for National Merit Scholarships, National Achievement Scholarships for Outstanding Black American Students, and National Hispanic Scholar Awards. Sophomores may take the test for practice.

The two standardized tests given at Mt. Vernon High School for college admission requirements are the ACT and the SAT. Both tests are given at MVSHS in the fall and again in the spring. Students register on-line. There are registration deadlines for both tests. Students need to check with universities to find out which standardized test is preferred.

END OF COURSE ASSESSMENTS

Classes of 2017 & 2018: Students are required to pass End of Course Assessments (ECA). The End of Course Assessments are criterion-referenced assessments developed specifically for students completing their instruction in Algebra I, Biology I, or English 10.

Classes of 2019 & 2020: Students are required to pass the ISTEP = Grade 10 Assessment.

COUNSELING PROCEDURES FOR COURSE SELECTION

I. For Grades Nine, Ten and Eleven

In January the counseling for course selection for the next school year will begin. The steps and approximate dates for student scheduling are as follows:

- A. **January/February** - Review course options and requirements with each grade level. The counselors schedule individual conferences to assist students in finalizing subject choices for both semesters of the next school year.

Parents/guardians of all students are invited to be present with the student for an enrollment conference. Ninth grade students will be making a tentative four-year plan for the remainder of high school.

- B. **March** - after subject choices have been finalized, subject requests are counted and a master schedule of classes is made for the upcoming school year. At this time a student may be contacted by the counselor to make an alternate choice due to insufficient enrollment in one of the classes selected or because two classes which were selected are offered the same period.
- C. **May**- Course requests are distributed to students. Changes of course requests are allowed until the last school day.
- D. **August** - students are given the opportunity to drop/add courses during the first 4 days of school only.
- E. **December** - students are given the opportunity to make limited changes on subject choices for semester II if class sizes permit.

II. For Eighth Grade Students Entering Ninth Grade

In February, high school counselors meet with eighth grade students to facilitate course selections for the freshman year. After these meetings a convocation will be held to present information on elective classes offered. At this convocation, a member of each department will present information on classes available in each subject area. A parent night is also held to give information on classes available and to answer any questions about class selections that parents or students may have.

Parents/guardians are encouraged to contact the junior or senior high counselors to discuss subject choices for their son or daughter

INDIANA HIGH SCHOOL ATHLETIC ELIGIBILITY

To be eligible to participate in high school athletics according to standards adopted by the Indiana High School Athletic Association (IHSAA), a student must:

1. Be currently enrolled in at least six (6) full credit subjects. The IHSAA recognizes all subjects at Mt. Vernon High School as full credit subjects except freshman physical education when taken for the second time.
2. Have passed five (5) full credit subjects in the previous grading period if enrolled in seven (7) full credit subjects or less.
3. Have passed six (6) full credit subjects in the previous grading period if enrolled in eight (8) full credit subjects.

STUDENTS WISHING TO TAKE EIGHT (8) FULL CREDIT CLASSES IN A SEMESTER MUST RECEIVE PRIOR COUNSELOR APPROVAL.

****SEMESTER GRADES TAKE PRECEDENCE IN DETERMINING ATHLETIC ELIGIBILITY****

NCAA ELIGIBILITY CENTER QUICK REFERENCE GUIDE



NCAA Division I Initial-Eligibility Requirements

Core Courses: (16)

- **Initial full-time collegiate enrollment *before* August 1, 2016:**
 - **Sixteen (16) core courses** are required (see chart below for subject-area requirements).
- **Initial full-time collegiate enrollment *on or after* August 1, 2016:**
 - **Sixteen (16) core courses** are required (see chart below for subject-area requirements).
 - Ten (10) core courses completed before the seventh semester; seven (7) of the 10 must be in English, math or natural/physical science.
 - These courses/grades are "locked in" at start of the seventh semester (cannot be repeated for grade-point average [GPA] improvement to meet initial-eligibility requirements for competition).
 - *Students who do not meet core-course progression requirements may still be eligible to receive athletics aid and practice in the initial year of enrollment by meeting academic redshirt requirements (see below).*

Test Scores: (ACT/SAT)

- Students must present a corresponding test score and core-course GPA on the sliding scale (see Page No. 2).
 - **SAT:** critical reading and math sections.
 - Best subscore from each section is used to determine the SAT *combined* score for initial eligibility.
 - **ACT:** English, math, reading and science sections.
 - Best subscore from each section is used to determine the ACT *sum* score for initial eligibility.
- All ACT and SAT attempts *before* initial full-time collegiate enrollment may be used for initial eligibility.
- **Enter 9999 during ACT or SAT registration to ensure the testing agency reports your score directly to the NCAA Eligibility Center. Test scores on transcripts will not be used.**

Core Grade-Point Average:

- Only *core courses* that appear on the high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org) will be used to calculate your core-course GPA. Use this list as a guide.
- **Initial full-time collegiate enrollment *before* August 1, 2016:**
 - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale A (see Page No. 2).
 - Core-course GPA is calculated using the **best 16 core courses** that meet subject-area requirements.
- **Initial full-time collegiate enrollment *on or after* August 1, 2016:**
 - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (see Page No. 2).
 - Core-course GPA is calculated using the **best 16 core courses** that meet both progression (10 before seventh semester; seven in English, math or science; "locked in") and subject-area requirements.

DIVISION I Core-Course Requirement (16)	
4	years of English
3	years of math (Algebra I or higher)
2	years of natural/physical science (1 year of lab if offered)
1	year of additional English, math or natural/physical science
2	years of social science
4	years of additional courses (any area above, foreign language or comparative religion/philosophy)

DIVISION I – 2016 Qualifier Requirements	
<i>*Athletics aid, practice, and competition</i>	
•	16 core courses
○	Ten (10) core courses completed before the start of seventh semester. Seven (7) of the 10 must be in English, math or natural/physical science.
▪	"Locked in" for core-course GPA calculation.
•	Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (see Page No. 2).
•	Graduate from high school.

DIVISION I – 2016 Academic Redshirt Requirements	
<i>*Athletics aid and practice (no competition)</i>	
•	16 core courses
○	No grades/credits "locked in" (repeated courses after the seventh semester begins may be used for initial eligibility).
•	Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale B (see Page No. 2).
•	Graduate from high school.

Sliding Scale A		
<i>Use for Division I prior to August 1, 2016</i>		
NCAA DIVISION I SLIDING SCALE		
Core GPA	SAT	ACT Sum
	Verbal and Math ONLY	
3.550 & above	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	59
2.700	730	60
2.675	740-750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840-850	70
2.425	860	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	80
2.125	960	81
2.100	970	82
2.075	980	83
2.050	990	84
2.025	1000	85
2.000	1010	86

Sliding Scale B		
<i>Use for Division I beginning August 1, 2016</i>		
NCAA DIVISION I SLIDING SCALE		
Core GPA	SAT	ACT Sum
	Verbal and Math ONLY	
3.550	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	60
2.700	740	61
2.675	750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840	70
2.425	850	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.299	910	76
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	81
2.125	970	82
2.100	980	83
2.075	990	84
2.050	1000	85
2.025	1010	86
2.000	1020	86

For more information, visit www.eligibilitycenter.org or www.2point3.org.

NCAA ELIGIBILITY CENTER QUICK REFERENCE GUIDE



Division II Initial-Eligibility Requirements

Core Courses

- **Division II currently requires 16 core courses.** See the chart below.
- **Beginning August 1, 2018**, to become a full or partial qualifier for Division II, all college-bound student-athletes must complete the 16 core-course requirement.

Test Scores

- **Division II** currently requires a minimum SAT score of 820 or an ACT sum score of 68. **Beginning August 1, 2018**, Division II will use a sliding scale to match test scores and core-course grade-point averages (GPA). The sliding scale for those requirements is shown on Page No. 2 of this sheet.
- The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a **sum** of the following four sections: English, mathematics, reading and science.
- **When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.**

Grade-Point Average

- Be sure to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org). Only courses that appear on your school's approved List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- The current **Division II** core GPA requirement is a minimum of 2.000. **Division II** core GPA required to be eligible for competition on or after August 1, 2018, is 2.200 (corresponding test-score requirements are listed on the Sliding Scale on Page No. 2 of this sheet).
- The minimum **Division II** core GPA required to receive athletics aid and practice as a partial qualifier on or after August 1, 2018, is 2.000 (corresponding test-score requirements are listed on the Sliding Scale on Page No. 2 of this sheet).
- Remember, the NCAA core GPA is calculated using NCAA core courses only.

DIVISION II

16 Core Courses

- 3 years of English.
- 2 years of mathematics (Algebra I or higher).
- 2 years of natural/physical science (1 year of lab if offered by high school).
- 3 years of additional English, mathematics or natural/physical science.
- 2 years of social science.
- 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).

DIVISION II COMPETITION SLIDING SCALE		
<i>Use for Division II beginning August 1, 2018</i>		
Core GPA	SAT Verbal and Math ONLY	ACT Sum
3.300 & above	400	37
3.275	410	38
3.250	420	39
3.225	430	40
3.200	440	41
3.175	450	41
3.150	460	42
3.125	470	42
3.100	480	43
3.075	490	44
3.050	500	44
3.025	510	45
3.000	520	46
2.975	530	46
2.950	540	47
2.925	550	47
2.900	560	48
2.875	570	49
2.850	580	49
2.825	590	50
2.800	600	50
2.775	610	51
2.750	620	52
2.725	630	52
2.700	640	53
2.675	650	53
2.650	660	54
2.625	670	55
2.600	680	56
2.575	690	56
2.550	700	57
2.525	710	58
2.500	720	59
2.475	730	60
2.450	740	61
2.425	750	61
2.400	760	62
2.375	770	63
2.350	780	64
2.325	790	65
2.300	800	66
2.275	810	67
2.250	820	68
2.225	830	69
2.200	840 & above	70 & above

DIVISION II PARTIAL QUALIFIER SLIDING SCALE		
<i>Use for Division II beginning August 1, 2018</i>		
Core GPA	SAT Verbal and Math ONLY	ACT Sum
3.050 & above	400	37
3.025	410	38
3.000	420	39
2.975	430	40
2.950	440	41
2.925	450	41
2.900	460	42
2.875	470	42
2.850	480	43
2.825	490	44
2.800	500	44
2.775	510	45
2.750	520	46
2.725	530	46
2.700	540	47
2.675	550	47
2.650	560	48
2.625	570	49
2.600	580	49
2.575	590	50
2.550	600	50
2.525	610	51
2.500	620	52
2.475	630	52
2.450	640	53
2.425	650	53
2.400	660	54
2.375	670	55
2.350	680	56
2.325	690	56
2.300	700	57
2.275	710	58
2.250	720	59
2.225	730	60
2.200	740	61
2.175	750	61
2.150	760	62
2.125	770	63
2.100	780	64
2.075	790	65
2.050	800	66
2.025	810	67
2.000	820 & above	68 & above

For more information, visit the NCAA Eligibility Center website at www.eligibilitycenter.org.

AGRICULTURAL EDUCATION

No agricultural background or experience is needed to enroll in these courses. Students are not required to join Future Farmers of America.

694-695 ANIMAL SCIENCE (COMPANION ANIMAL CARE) (FULL YEAR) GRADES 9-12 (5008)

Animal Science is a two semester program that provides students with an overview of the field of animal science. Students participate in a large variety of activities and laboratory work including real and simulated animal science experiences and projects. All areas that the students study can be applied to both large and small animals. Topics to be addressed include: anatomy and physiology, genetics, reproduction, nutrition, common diseases and parasites, social and political issues related to the industry and management practices for the care and maintenance of animals while incorporating leadership development, and learning about career opportunities in the area of animal science.

Prerequisite: None **2 CREDITS**
May be taken an additional 2 semesters for 2 more credits

676-677 ANIMAL SCIENCE II (VET ASSIST) (FULL YEAR) GRADE 10-12 (5008)

Advanced Animal Science is a two semester course that provides students with an **in-depth** look at the care, handling and maintenance of small animal species. The topics of the importance of small animals in our lives, the economic importance of the small animal industry, career opportunities and the skills needed for employment will be discussed in preparation for post-secondary education, employment in the job market, and personal growth.

Prerequisite: Animal Science

674-675 VETERINARY CAREERS II (1 SEMESTER) GRADE 12 (5212)

Veterinary Careers II is designed as an extended laboratory experience at the student's choice of clinical site; usually clinics, animal hospitals, or research laboratories, designed to provide students the opportunity to assume the role of a veterinary assistant and practice technical skills previously learned in the classroom, including information on the health care system and employment opportunities at a variety of entry levels, an overview of the health care delivery systems, health care teams and legal ethical considerations. It prepares students with the knowledge, skills and attitudes essential for providing basic care in extended care facilities, hospitals and home health agencies under the direction of licensed veterinarians. In addition, students will learn skills for monitoring and caring for animals before and after surgery, maintain and sterilize surgical instruments, clean and disinfect kennels and operating rooms, provide emergency first aid to animals, give medication, do routine lab tests, feed and bathe animals, and collect fluid or tissue samples. This course also provides students with the knowledge, attitudes and skills needed to make the transition from school to work in health science careers, including self analysis to aid in career selection, job seeking and job maintenance skills, personal management skills, and completion of the application process for admission into a post secondary program. A selection committee will conduct interviews with interested students and enrollment will be limited based on clinical site space. Students will provide their own transportation to and from the clinical site. A waiver of insurance and liability must be on file with the sites selected and the school for each student. Students in this course will be required to arrive EACH day by 7:30 AM or earlier at their clinical site (depending on the activity) and back at MVHS by 11:00 AM.

Prerequisite: Animal Science II **3 CREDITS**

680-681 INTRODUCTION TO AGRICULTURE, FOOD AND NATURAL RESOURCES (FULL YEAR) GRADES 9-10 (5056)

Introduction to Agriculture, Food and Natural Resources is a two semester course that is highly recommended as a prerequisite to and a foundation for all other agricultural classes. The nature of this course is to provide students with an introduction to the fundamentals of agricultural science and business. Topics to be covered include: animal science, plant and soil science, food science, horticultural science, agricultural business management, landscape management, natural resources, agriculture power, structure and technology, leadership development, and career opportunities in the area of agriculture, food and natural resources.

Prerequisite: None **2 CREDITS**

682-683 PLANT AND SOIL SCIENCE (FULL YEAR) GRADES 10-12 (5170)

Plant and Soil Science is a two semester course that provides students with opportunities to participate in a variety of activities which includes laboratory work. The following topics are found in this course: plant taxonomy, components and their functions; plant growth, reproduction and propagation; photosynthesis and respiration; environmental factors effecting plant growth, management of plant diseases and pests; biotechnology; the basic components and types of soil; calculation of fertilizer application rates and procedures for application; soil tillage and conservation; irrigation and drainage; land measurement, cropping systems, precision agriculture, principles and benefits of global positioning systems; and harvesting. Leadership development, supervised agricultural experience and career exploration opportunities in the field of plant and soil science are also included.

Prerequisite: Introduction to Agriculture, Food and Natural Resources **2 CREDITS**

684-685 AGRICULTURE POWER, STRUCTURE AND TECHNOLOGY (FULL YEAR) GRADES 11-12 (5088)

Agriculture Power, Structure and Technology is a two semester, lab intensive course in which students develop an understanding of basic principles of selection, operation, maintenance and management of agricultural equipment in concert while incorporating technology. Topics covered include: safety, electricity, plumbing, concrete, carpentry, metal technology, engines, emerging technologies, leadership development, supervised agricultural experience and career opportunities in the area of agriculture power, structure and technology.

Prerequisite: Introduction to Agriculture, Food and Natural Resources **2 CREDITS**

May be taken an additional 2 semesters for 2 more credits

688-689 AGRIBUSINESS MANAGEMENT (FULL YEAR) GRADES 11-12 (5002)

Agribusiness Management provides foundational concepts in agricultural business. It is a two semester course that introduces students to the principles of business organization and management from a local and global perspective while incorporating technology. Concepts covered in the course include food and fiber, forms of business, finance, marketing, management, sales, leadership development, supervised agricultural experience and career opportunities in the area of agribusiness management.

Prerequisite: Introduction to Agriculture, Food and Natural Resources **2 CREDITS**

**686-687 HORTICULTURE SCIENCE (FLORAL DESIGN & GREENHOUSE MANAGEMENT)
(FULL YEAR) GRADES 10-12 (5132)**

Horticulture Science is a two semester course designed to give students a background in the field of horticulture and its many career opportunities. It addresses the biology and technology involved in the production, processing and marketing of plants and its products. Topics covered include: reproduction and propagation of plants, plant growth, growth media, management practices for field and greenhouse production, marketing concepts, production of plants of local interest and pest management. Students participate in a variety of activities to include extensive laboratory work usually in a school greenhouse, leadership development, and learning about career opportunities in the area of horticulture science.

Prerequisite: None **2 CREDITS**
May be taken an additional 2 semesters for 2 more credits

**696-697 LANDSCAPE MANAGEMENT
(FULL YEAR) GRADES 10-12 (5136)**

Landscape Management is a two semester course that provides the student with an overview of the many career opportunities in the diverse field of landscape management. Students are introduced to the procedures used in the planning and design of a landscape using current technology practices, the principles and procedures of landscape construction, the determination of maintenance schedules, communications and management skills necessary in landscape operations and the care and use of equipment utilized by landscapers. Students will also participate in leadership development, career exploration activities in the area of landscape management.

Prerequisite: Horticulture Science **2 CREDITS**

**678-679 FOOD SCIENCE
(FULL YEAR) GRADES 11-12 (5102)**

Food Science is a two semester course that provides students with an overview of food science and its importance. Introduction to principles of food processing, food chemistry and physics, nutrition, food microbiology, preservation, packaging and labeling, food commodities, food regulations, issues and careers in the food science industry help students understand the role that food science plays in securing a safe, nutritious and adequate food supply. A project-based approach is utilized along with laboratory, team building and problem solving activities to enhance student learning, leadership development, and career opportunities in the area of food science.

Prerequisite: Any other Agriculture course **2 CREDITS**

**690-691 NATURAL RESOURCES
(FULL YEAR) GRADES 10-12 (5180)**

Natural Resources is a two semester course that provides students with a foundation in natural resources. Hands-on learning activities in addition to leadership development, supervised agricultural experience and career exploration encourage students to investigate areas of environmental concern. Students are introduced to the following areas of natural resources; soil, the water cycle, air quality, outdoor recreation, forestry, rangelands, wetlands, animal wildlife and safety.

Prerequisite: Introduction to Agriculture, Food and Natural Resources

2 CREDITS

**692-693 SUSTAINABLE ENERGY ALTERNATIVES
(FULL YEAR) GRADES 11-12 (5229)**

Sustainable Energy Alternatives is a two semester course that broadens a student's understanding of environmentally friendly energies. In this course students will use a combination of classroom, laboratory, and field experiences to analyze, critique, and design alternative energy systems. Class content and activities center on renewability and sustainability for our planet. Topics covered in this course include the following types of alternative energies: solar, wind, geothermal, biomass and emerging technologies. Leadership development, and career exploration opportunities in the field sustainable energy are also included.

Prerequisite: None **2 CREDITS**

**698-699 SUPERVISED AGRICULTURAL EXPERIENCE
(FULL YEAR) GRADES 11-12 (5228)**

Supervised Agricultural Experience (SAE) is designed to provide students with opportunities to gain experience in the agriculture field(s) in which they are interested. Students should experience and apply what is learned in the classroom, laboratory and training site to real-life situations. Students work closely with their agricultural science and business teacher(s), parents and/or employers to get the most out of the SAE program. This course can be offered each year as well as during the summer session. SAE may be offered as a Cooperative Education Program. Curriculum content and competencies should be varied so that school year and summer session experiences are not duplicated.

Prerequisite: Introduction to Agriculture, Food and Natural Resources **2 CREDITS**

**662-663 CTSO LEADERSHIP DEVELOPMENT IN ACTION
(FULL YEAR) GRADES 10-12 (5237)**

Leadership Development in Action is a project-based course in which students integrate higher order thinking, communication, leadership, and management processes to conduct **Career and Technical Student Organization (CTSO) leadership** projects at local, state or national level. Each student will create a vision statement, establish standards and goals, design and implement an action plan and timeline, reflect on their accomplishments, and evaluate results. Authentic, independent application through **CTSO** student-directed programs or projects, internship, community based study, or in-depth laboratory experience is required. Research and development, interdisciplinary projects, and/or collaboration with postsecondary faculty, community agencies or organizations are appropriate approaches. **Membership in an Indiana recognized CTSO** is required. Service learning experiences are highly recommended. Achievement of applicable Career and Technical Education (CTE), academic, and employability competencies will be documented through a required student portfolio.

Prerequisites: A sequence of courses relevant to the student's area of concentration; or permission of instructor by an application process. **2 CREDITS**

May be taken an additional 2 semesters for 2 more credits

BUSINESS, MARKETING AND INFORMATION TECHNOLOGY

304-305 BUSINESS MATH (FULL YEAR) GRADES 10-11-12 (4512)

Business Math is a business course designed to prepare students for roles as entrepreneurs, producers, and business leaders by developing abilities and skills that are part of any business environment. A solid understanding of math including algebra, basic geometry, statistics and probability provides the necessary foundation for students interested in careers in business and skilled trade areas. The content includes mathematical operations related to accounting, banking and finance, marketing and management. Instructional strategies should include simulations, guest speakers, tours, internet research and business experience.

Recommended Prerequisite: Algebra 1 **2 CREDITS**

*Fulfills a Mathematics requirement for the General Diploma only or counts as an Elective or Directed Elective for the Core 40, Core 40 with *Academic Honors and Core 40 with Technical Honors diplomas.

Qualifies as a Quantitative Reasoning Course for the General Diploma only.

306 PERSONAL FINANCIAL RESPONSIBILITY (SEMESTER) GRADES 10-12 (4540)

Personal Finance is a business course that focuses on personal financial planning as well as the identification and management of personal finance resources to aid students in building skills in decision making, goal setting, identifying sources of income, saving and investing, budgeting, banking services, income tax return prep, credit management, consumer protection laws, insurance, buying vs. renting a house, and buying vs leasing a car. Instructional strategies include iPad use, guest speakers, online simulations, internet research and field trips.

Prerequisite: None

1 CREDIT

349 COMPUTER PROGRAMMING (SEMESTER) GRADES 9-12 (4534)

This one-semester course introduces basic computer programming concepts. Students will learn how to write programs using the Java programming language. Learning activities include programming projects using branching, looping, and file operations. Strong emphasis is placed on the development of acceptable structured programming style. A portion of this course is devoted to an exploration of programming with a graphical interface.

Prerequisite: Must have successfully completed or be concurrently enrolled in Geometry.

1 CREDIT

350-351 COMPUTER PROGRAMMING I (FULL YEAR) GRADES 10-12 (4534)

This full-year course will provide interested students with more detailed instruction in computer programming. It is geared toward solving more challenging problems using the enforced structure of language. Computer Programming I provides additional study of looping and conditional structures, as well as a more detailed analysis and use of procedures and functions. Students learn more about standard data structures such as arrays, records, and files. The second semester of this course provides an opportunity for students to pursue group and individual projects.

Prerequisite: Computer Programming credit or concurrent registration in Algebra II.

2 CREDITS

352 COMPUTER PROGRAMMING II (SEMESTER) GRADES 11-12 (4534)

This is an additional one-semester course for students who have successfully completed three semesters of computer programming. It is intended for those who wish to work independently on programming projects and activities appropriate for their level. Students in this class serve as lab assistants for lower-level programming courses.

Prerequisite: Computer Programming I

1 CREDIT

501-502 BUSINESS FOUNDATIONS (FULL YEAR) GRADES 9-10 (4518)

Business Foundations is a comprehensive program providing basic background information for 9th and 10th grade students who may or may not follow a business curriculum. The goal of Business Foundations is to describe for students how the American business economy operates and to help them prepare to make decisions as consumers, wage earners, and citizens within that economy. The program combines explanations of business and economic concepts with practical applications of these concepts to the real world of the American business economy. Major areas of study include: budgeting, investment opportunities, insurance, credit, car/home purchasing, savings/checking accounts, business organization and operations, income tax filing, career exploration, as well as other topics. Students will be required to purchase a workbook each semester.

Prerequisite: None

510 Work Based Learning, Business and Marketing Program (Semester) Grade 12 (5260)

Mt. Vernon High School's Work Based Learning, Business and Marketing Program is designed to give students the opportunity to apply the concepts, skills, and dispositions learned in previous coursework in a career pathway of their interest, to help prepare students for college and career. A training plan is developed by the student, school coordinator, and supervising organization to guide the student's work based learning experiences and assist in evaluating achievement and performance. The student offered this experience must possess a unique sense of responsibility, maturity, and inquisitiveness. The student will spend a minimum of four-six hours per week working at an area business under the direction of an experienced, knowledgeable, mentor/supervisor. The student will be required to keep a log of his/her experiences, meet as required with the school coordinator, participate in reflective writing, and compile an electronic portfolio. This is a one semester course. This course requires the completion of an application process with an approval.

Prerequisite: Application and instructor approval **2-3 CREDITS**

516-517 ACCOUNTING I (FULL YEAR) GRADES 10-12 (4524)

Accounting I is a business course that introduces the language of business using Generally Accepted Accounting Procedures (GAAP) and procedures for proprietorships and partnerships using double-entry accounting. Emphasis is placed on accounting principles as they relate to both manual and automated financial systems. This course involves understanding, analyzing, and recording business transactions and preparing, analyzing and interpreting financial reports as a basis for decision making. Instructional strategies should include the use of computers, projects, simulations, case studies and business experiences requiring the application of accounting theories and principles.

Prerequisite: Overall grade average of C+ or above recommended along with good math skills **2 CREDITS**

524-525 BUSINESS AND PERSONAL LAW (FULL YEAR) GRADES 11-12 (4560)

This course will include criminal, civil, contractual, and constitutional law. Ethics and consumer law will also be covered. The class will be a discussion, research and presentation based course. Students will be required to take part in group discussion using logical and analytical thought processes. Notebooks, opinion papers, research projects (individual and group), debates, mock trials, tests and quizzes will all be used to assess progress. This class is recommended for students planning a career in business, law enforcement, law or related areas. A "C" grade average is suggested for success in this course.

Prerequisite: None

2 CREDITS

**540-541 PRINCIPLES OF MARKETING
(FULL YEAR) GRADES 10-12 (5914)**

This course provides a basic introduction to the understanding and importance of marketing. It covers career development in marketing fields and involvement in DECA, an association of marketing students. Emphasis is placed on job skills necessary to both secure and advance in jobs in marketing. In addition, the basic understanding of the profit motive, the channels of distribution (marketing) and the economic understanding of the modified free enterprise system are covered. Selected marketing case analyses are done all year. A sales promotion and/or advertisement project is also required in the second semester. The DECA chapter is a vital part of the marketing program. It includes meetings and competitive events on the local, district, state and national levels.

Prerequisite: None **2 CREDITS**

**542-543 STRATEGIC MARKETING
(FULL YEAR) GRADES 11-12 (5918)**

This course expounds the teaching introduced in the junior level class. There are numerous marketing cases and practices which make this a meaningful experience in study. It is recommended that students be a member of DECA, an association of marketing students, and participate at the District and possibly the State and National levels of competition if they win their respective competitive events. This course requires a marketing research project and individualized marketing projects during the second semester.

Prerequisite: Principles of Marketing with a "C" average or above, or instructor approval **2 CREDITS**

**544 SPORTS & ENTERTAINMENT MARKETING
(ONE SEMESTER) GRADE 12 (5984)**

The Sports & Entertainment Marketing class is a specialized marketing course that develops a student's understanding of the Sporting Event Industries, their economic impact and products; distribution systems and strategies; pricing considerations; product/service management and promotions.

Prerequisite: Strategic Marketing **1 CREDIT**

**545 MARKETING IN HOSPITALITY & TOURISM
(ONE SEMESTER) GRADES 11-12 (5982)**

Marketing in Hospitality and Tourism is a specialized marketing course that develops student understanding of marketing in the hospitality, travel, and tourism industry. Students gain experiences marketing -information, management, pricing, product/service management, promotion, and selling in the hospitality, travel and tourism industry.

Prerequisite: Principles of Marketing **1 CREDIT**

*Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

**509 DIGITAL CITIZENSHIP
(ONE SEMESTER) GRADE 9 (4530)**

Digital Citizenship prepares students to use computer technology in an effective and appropriate manner. Students will learn proper keyboarding techniques by learning the process of touch keyboarding. Students develop knowledge of word processing, spreadsheets, presentation and communications software through the use of Microsoft Office 2010. Students establish what it means to be a good digital citizen and how to use technology appropriately.

Prerequisite: None **1 CREDIT**

*Counts as Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

**503 INFORMATION COMMUNICATIONS AND TECHNOLOGY
(DIGITAL APPLICATIONS)**

(ONE SEMESTER) GRADES 9-12 (4528)

Information Communications and Technology is a good foundation for the college bound student. ICT introduces students to the physical components and operation of computers. Technology is used to build students decision-making and problem-solving skills. This course uses a Windows-based professional office suite software package to provide the student with knowledge of computer hardware and software concepts. In addition to learning file management techniques, students will be introduced and work with the Microsoft Office 2013 programs, building skills in word processing, spreadsheets, database, presentations and desk-top publication software.

Prerequisite: If a freshman, Digital Citizenship must be taken first before ICT.
If a sophomore, junior and/ or senior, there is no prerequisite.

1 CREDIT

*This course is aligned with the course Introduction to Microcomputers in the Indiana Core Transfer Library.

**561-562, 558-559 INTERACTIVE MEDIA
(FULL YEAR) GRADES 11-12 (5232)**

COLLEGE CREDIT

Interactive Media prepares students for careers in business and industry working with interactive media products and services; which includes the entertainment industries. This course emphasizes the development of digitally generated or computer-enhanced products using multimedia technologies. Students will develop an understanding of professional business practices including the importance of ethics, communication skills, and knowledge of the "virtual workplace". Topics to be covered include graphic design, computer animation, web design, and programming, including video game programming.

Prerequisite: Information Communications & Technology or Digital Design. **2-6 CREDITS**

**505-506 TECHNICAL /BUSINESS COMMUNICATION
(FULL YEAR) GRADES 10-12 (4508)**

Technical/Business Communication is a business course that provides students with the communication and problem-solving skills to function effectively in the workplace. Areas of study include written/oral/visual communication, listening, informational reading, Internet research/analysis, and electronic communication. Students produce various business documents using word processing, presentation, spreadsheet, and database software.

Prerequisite: Information Communications & Technology **2 CREDITS**

** Students enrolled in Interactive Media and/or Technical Business also have the opportunity to be simultaneously enrolled in a USI class, Computer Applications in Business, for 3 credits.

**A student enrolled in Interactive Media and/or Technical Business Communications at Mt Vernon High School has the opportunity to earn credit at Ivy Tech Evansville. There are no fees charged for this course. If the student earns a passing grade on an Ivy Tech pre-test and a "C" in the course they will earn three (3) credits in Introduction to Microcomputers at Ivy Tech.

FAMILY AND CONSUMER SCIENCE

FAMILY AND CONSUMER SCIENCE

Three credits in Family and Consumer Science may replace the health requirement for graduation. The three credits may be chosen from the following:

1. Child Development and Parenting
2. Human Development and Family Wellness
3. Interpersonal Relationships
4. Nutrition and Wellness
5. Adult Roles and Responsibilities

701 NUTRITION AND WELLNESS (SEMESTER) GRADES 9-12 (5342)

This class includes planning of nutritious, attractive meals, the proper use, care, and cleaning of equipment, understanding food preparation terminology, the ability to interpret and follow a recipe, safety in the kitchen, getting the most for money spent on food, and food preparation skills. The foods prepared will include fruits, vegetables, meats, eggs, breads, cheese, salads and milk desserts.

Prerequisite: None

1 CREDIT

702 FASHION AND TEXTILES FOUNDATIONS (SEMESTER) GRADES 9-12 (5380)

This is a basic sewing class in which each student constructs two simple garments using a commercial pattern. Time will also be spent studying clothing selection and care.

Prerequisite: None

1 CREDIT

715 CONSUMER ECONOMICS (SEMESTER) GRADES 9-12 (5334)

Consumer Economics concerns the management process and how it relates to consumer behavior. This course is designed to aid youth in the market place. Consumer practices related to food, shelter, clothing, transportation and recreation will be explored.

Prerequisite: None

1 CREDIT

717 INTERPERSONAL RELATIONSHIPS (SEMESTER) GRADES 9-12 (5364)

This course is designed to help the teenager understand and cope with all aspects of getting along with others. The areas of relationships being studied include families, peers, dating, friendship, authority figures, communication, conflict, developing a positive self concept, goal setting, value identification and decision making.

Prerequisite: None

1 CREDIT

720 FASHION AND TEXTILES, ADVANCED (SEMESTER) GRADES 9-12 (5380)

Each student will construct two garments in keeping with the individual's skill and past experience. This could range from a simple blouse to a tailored jacket. Also included in this curriculum will be wardrobe planning and principles of fashion merchandising. This class may be taken a second time for credit so long as the student progresses into more advanced construction skills.

Prerequisite: Fashion and Textiles Foundations or instructor approval

1 CREDIT

722 HUMAN DEVELOPMENT AND FAMILY WELLNESS (SEMESTER) GRADES 10-12 (5366)

This course is based on the premise that each of us wants to have control over our future role as a family member. We need to understand others and ourselves. This course will examine the personal relationships, including the roles men and women play in establishing and maintaining a healthy family. This course is designed to prepare men and women for their role as a family member, wage earner, spouse and parent (all typical roles of an adult in the 21st Century.) Students will learn to coordinate these roles while learning how to handle the stress of these responsibilities.

Prerequisite: None

1 CREDIT

723 HOUSING AND DESIGN FOUNDATIONS (SEMESTER) GRADES 11-12 (5350)

This course covers the choices available in home selection. Students will study art principles and the selection of furnishings and accessories. Treatments available for walls, floors, and windows will also be included. Home and business field trips are included. Decorating a dream home is a semester project.

Prerequisite: None

1 CREDIT

740 CHILD DEVELOPMENT AND PARENTING (SEMESTER) GRADES 10-12 (5362)

This course is designed to assist students in understanding children and in preparing for parenthood. The physical, social, emotional and intellectual development of children is studied from conception through birth up to three years old. Special emphasis is given to the constructive disciplining of children. Students will participate in the "Baby Think It Over" project, an electronic interactive doll, or prepare a written paper on an aspect of teen parenting.

Prerequisite: None

1 CREDIT

780 ADULT ROLES AND RESPONSIBILITIES (SEMESTER) GRADES 11-12 (5330)

This class is designed to develop the basic skills necessary for surviving away from the family home. Emphasis is on clothing selection and care, food preparation and nutrition, and selection and care of the home. Students who have previously had more than two semesters of Family and Consumer Science classes are not eligible to take this class. Students may be required to complete at home applications for each unit.

Prerequisite: None

1 CREDIT

786-787 PEER TUTORING (FULL YEAR) GRADES 11-12 (0520)

This one year course is designed to allow students who are interested in helping others on a one-to-one basis in a facilitative atmosphere. Students will study listening, communication and facilitating techniques. Students will first provide these services at the elementary level. Admission will be on a selection basis through an application process. Students who have taken Interpersonal Relationships, Psychology, Child Development and Parenting, or who have had experience working with people through Student Council, Sunday school, camp counseling, etc. are encouraged to apply for consideration.

Prerequisite: 2.0 G.P.A. and application

2 CREDITS

741 ADVANCED CHILD DEVELOPMENT (SEMESTER) GRADES 10-12 (5360)

Advanced Child Development builds on the foundations set in Child Development. Issues and topics include growth and development, theories, practices, and health and wellness. Students will integrate the process of thinking, communication, leadership and management in order to apply Child Development knowledge and skill. Students will incorporate and analyze current professions and ethical standards associated with the care of children.

Prerequisite: Child Development

2 CREDIT MAX

FINE ARTS - MUSIC

840-841 ADVANCED CONCERT BAND (FULL YEAR) GRADES 9-12 (4170)

Those enrolled in band will participate in the marching and concert bands. Advanced Concert Band provides students with a comprehensive study of music through concert band repertoire. This repertoire develops skills in psychomotor, cognitive and affective domains. Course work is designed to enable students to connect, examine, imagine, define, try, extend, refine and integrate music study into other subject areas. Ensemble and individual activities are designed to develop elements of musicianship including, but not limited to: tone production, technical skills, intonation, sight reading skills, listening skills, analyzing music and studying a wide variety of styles of literature. Experiences include, but are not limited to sight reading, playing by ear, clapping and counting and performance. Students must perform a wide variety of repertoire: large ensemble, chamber ensembles and solo with expression and technical accuracy. Evaluation of music and performance is provided through adjudicated and non-adjudicated performance venues. Band is a co-curricular activity and as such requires time outside the normal school day.

Prerequisite: Marching Band

2 CREDITS

842-843 JAZZ ENSEMBLE (FULL YEAR) GRADES 9-12 (4164)

Students taking the course will develop musicianship and idiom specific performance abilities through group and individual study, as well as performance of a variety of instrumental jazz music. The course will include history, formative and stylistic elements of jazz. These skills will be developed through improvisation, arranging, listening, analyzing and performance. Course work is designed to enable students to connect, examine, imagine, define, try, extend, refine and integrate music study into other subject areas. Students will have the opportunities to experience live performances outside of class time. A number of public performances will serve as a culmination of daily rehearsal and study. Students must participate in performance opportunities outside the school day that will support and extend classroom learning.

Prerequisite: Must have experience on the following instruments: saxophone, trumpet, trombone, guitar, bass or percussion. **This is an auditioned ensemble.**

2 CREDITS

845-846 TECHNICAL THEATRE (FULL YEAR) GRADES 9-12 (4244)

Technical Theatre is a broad-based course designed to give students an overall view of the various elements of the craft. Students will attain an understanding of the technical aspects of theatrical production through "hands-on" experience. Areas to be studied include lighting design and execution, scenic design and execution, set construction techniques, scenic painting, rigging, stage make-up, costuming, sound reinforcement, stage and house management, advertising and script analysis. Students will also gain an understanding of the interdisciplinary aspects of technical theatre as regards language arts, mathematics, social studies, science and various technologies. Additionally, students will gain an understanding of career opportunities within theatre and entertainment technology and further their understanding of the importance of audience development and the role of community support in theater. Students will participate on class crews and will be encouraged to participate in extracurricular school productions.

NOTE: Two hours of lab time per 9 weeks is required in addition to regular class time.

Prerequisite: None

2 CREDITS

847-848 ADVANCED TECHNICAL THEATRE (FULL YEAR) GRADES 10-12 (4252)

Advanced Technical Theatre is a continuation of Technical Theatre. Students participating in the course will further their understanding of costuming, makeup, scenic design, lighting and sound design and execution, stage and house management, advertising, script analysis and will complete a comprehensive, individual design project each semester. Students will participate on class crews and are encouraged to participate in extracurricular school productions. Students will also comprise the production staff and crew for the MVHS Performing Arts Center and will assume leadership roles within technical theatre including the mentoring of Beginning Technical Theatre students.

Students will also gain an understanding of the interdisciplinary aspects of technical theatre as regards language arts, mathematics, social studies, science and various technologies. Additionally, students will gain an understanding of career opportunities within theatre and entertainment technology and further their understanding of the importance of audience development and the role of community support in theatre. Students will participate on class crews and will be encouraged to participate in extracurricular school productions.

NOTE: Two hours of lab time per 9 weeks is required in addition to regular class time.

Prerequisite: A minimum of a "C" average in Beginning Technical Theatre, and maintenance of a "C" average in Advanced Technical Theatre for continuing in the class for successive semesters. **2 CREDITS**

850-851 ADVANCED CHORUS (FULL YEAR) GRADES 9-12 (4188)

Students taking Advanced Chorus develop musicianship and specific performance skills through ensemble and solo singing. The chorus may be composed of (1) male chorus, (2) female chorus, (3) mixed chorus or any combination thereof. Activities create the development of a quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Instruction is designed to enable students to connect, examine, imagine, define, try, extend, refine, and integrate music study into other subject areas. Chorus classes provide instruction in creating, performing, conducting, listening to, and analyzing, in addition to focusing on the specific subject matter. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students have the opportunity to experience live performances by professionals during and outside of the school day. A limited amount of time, outside of the school day, may be scheduled for dress rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and music goals. Students must participate in performance opportunities outside of the school day that support and extend the learning in the classroom.

The choral repertoire must be of the highest caliber. Mastery of basic choral technique must be evident. Areas of refinement include a cappella singing, sight-reading, and critical listening skills.

Prerequisite: Beginning Chorus and/or instructor approval. **2 CREDITS**

860 BEGINNING CHORUS**(FALL SEMESTER) GRADES 9-12 (4182)**

Students taking Beginning Chorus develop musicianship and specific performance skills through ensemble and solo singing. The chorus may be composed of (1) male chorus, (2) female chorus, (3) mixed chorus, or any combination thereof. Activities in this class create the development of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Instruction is designed so that students are enabled to connect, examine, imagine, define, try, extend, refine and integrate music study into other subject areas. Chorus classes provide instruction on creating, performing, conducting, listening to, and analyzing, in addition to focusing on the specific subject matter. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students have the opportunity to experience live performances by professionals during and outside of the school day. A limited amount of time outside of the school day may be scheduled for dress rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and music goals. Specific classroom activities include vocal production techniques, music theory and sight-reading.

Students must participate in performance opportunities, outside of the school day, that support and extend the learning in the classroom

Prerequisite: None **1 CREDIT**

867-868 INSTRUMENTAL ENSEMBLE - PERCUSSION ONLY**(FULL YEAR) GRADES 9-12 (4162)**

This course will provide an extensive study of the percussion family of instruments as well as percussion chamber music. Members of the instrumental ensemble class will learn the music for the Advanced Concert Band as well as how to properly play all of the percussion instruments. We will focus on rudiments, note reading, pitch identification and proper playing techniques. Students will be required to attend all after school rehearsals and performances. Students will also be required to perform a solo on either a mallet instrument or battery percussion instrument at the ISSMA Solo and Ensemble Contest.

Prerequisite: Students must have had a minimum of three years of instruction in band or private lessons. This class is for percussionists ONLY and director approval is required. **2 CREDITS**

844 MUSICAL THEATRE**(SPRING SEMESTER) GRADES 9-12 (0520)**

Musical Theatre students will examine the history and form of musical theatre through the performance and study of the history of musical theatre and its place in today's society. Students will participate in staging, choreographing, rehearsing and performing an original or existing musical work. The class will incorporate elements of theatre history, culture, analysis, response, creative process and integrated studies. Additionally, students explore career opportunities in theatre, attend and critique theatrical productions, and recognize the responsibilities and the importance of individual theatre patrons in their community.

Prerequisite: Audition and teacher approval required. **1 CREDIT**

870-871 CHORAL CHAMBER ENSEMBLE**(FULL YEAR) GRADES 9-12 (4180)**

Student musicianship and specific performance skills in this course are enhanced through specialized small group instruction. The activities expand the repertoire of a specific genre. Chamber ensemble classes provide instruction in creating, performing, listening to, and analyzing music in addition to focusing on specific subject matter. Instruction designed to enable students to connect, examine, imagine, define, try, extend, refine, and integrate music study into other subject areas. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students have the opportunity to experience live performances by professionals during and outside of the school day. A limited amount of time outside of the school day may be scheduled for dress rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and music goals. Class activities will also include sight reading and music theory. Students must participate in performance opportunities outside of the school day that support and extend the learning in the classroom.

Prerequisite: Students must audition. **2 CREDITS**

882 MUSIC THEORY AND COMPOSITION**(SEMESTER) GRADES 10-12 (4208)**

Music Theory offers students experiences in part-writing, analysis, and the development of aural skills. The study of "common practice" harmony and melodic construction is supplemented by study of theory as applied to popular music. Some prior experience in music is recommended. This course will be offered on a two-year rotation with Applied Music.

Prerequisite: Previous music study is required. **1 CREDIT**

884 MUSIC HISTORY AND APPRECIATION**(SEMESTER) GRADES 10-12 (4206)**

Music Appreciation affords students an opportunity to explore music through listening and the study of music history. Music to be surveyed will include baroque, classic, romantic and twentieth century. Additionally, music of American composers will be featured. Some prior experience with music is recommended but not required. This course will be offered on a two-year rotation with Applied Music.

Prerequisite: Previous music study is beneficial. **1 CREDIT**

885 THEATRE ARTS I**(SEMESTER) GRADES 9-12 (4242)**

Theatre Arts I combines the history of theatre, the study of styles of world drama, the reading of famous plays, and all aspects of drama production (design of set, costuming, stage terms, makeup, lighting, acting, and direction.) Spelling and vocabulary assignments will be given weekly. Students may take this class more than once, but they will be expected to complete additional work for credit.

Prerequisite: An interest in drama and theatre **1 CREDIT**

886 THEATRE ARTS II**(SEMESTER) GRADES 9-12 (4242)**

Students in Theatre Arts II will create, perform, analyze, and critique dramatic performances. Since the focus is on production, students will be involved in the preparation, rehearsal and performance of plays in the classroom. Students will put the concepts learned in Theatre Arts I into action by participation in advanced theatre production. Materials will consist of one-act or short plays. Theatre Arts II productions may be performed for the student body and the community in convocations and/or evenings, when time and scheduling permit.

Prerequisite: Students must have successfully completed Theatre Arts I earning a grade of "C" or higher. **1 CREDIT**

AUXILIARY (FLAGS)**(NINE WEEKS) GRADE 9-12**

Those enrolled in auxiliary will participate during the marching band season and winter guard. The marching band will perform at all home football games, several Saturday contests and parades. Auxiliary is co-curricular in that considerable time and effort beyond the daily class period is required. Auxiliary members must be enrolled in a fourth period study hall for the entire semester. During the first nine weeks color guard members will be assigned to band and return to the study hall upon completion of the marching band season. Auxiliary is a non-credit class, but credit can be earned by participating in concert band during the second quarter.

849 THEATRE PRODUCTION**GRADES 11-12**

Students will receive instruction in the areas of lighting, scenic and costume design including historical aspects, drawing, drafting, model making and realization of their work either in models or stage. Students will learn the hand and Computer Aided Drafting sketching, color rendering, model making and allied skills related to design. Students will demonstrate an understanding of the historical and artistic background of each area of expertise. It is recommended that students enroll for successive semesters.

1 CREDIT

FINE ARTS VISUAL

800 – 801 INTRODUCTION TO TWO-DIMENSIONAL ART/ ADVANCED TWO-DIMENSIONAL ART I (FULL YEAR) GRADES 9-12 (4000/4004)

This course introduces the elements, principles, and design concepts that serve as a foundation for all works of art.

Experimentation and exploration with each design component will be taught using a variety of materials and techniques leading to the creation of portfolio quality works. Students will also prepare for advanced high school art courses, career opportunities, post-secondary academic endeavors, and lifetime activities. This course will fulfill the Core 40 and AHD requirement.

Prerequisite: None

2 CREDITS

802 – 803 ADVANCED TWO-DIMENSIONAL ART II / ADVANCED TWO-DIMENSIONAL ART III (FULL YEAR) GRADES 10-12 (4004)

This course is the second step in the Two-Dimensional traditional/studio progression of the Visual Art Program. Students will concentrate on advanced concepts of elements and principles of design building upon previous knowledge, skills, experiences, and values. A variety of advanced/studio production methods will be explored and students will develop higher level projects. Students will be encouraged to develop projects through self-inquiry and personal style in preparation for advanced high school art courses, post-secondary academic endeavors, and lifetime activities. This course will prepare student for Adv. 2D IV/V, and/or Studio Art.

Prerequisite: Introduction to Two-Dimensional Art and Advanced Two-Dimensional Art I

2 CREDITS

832 – 833 (SEMESTER) GRADES 11-12 (4060)

This course is the second step in the Two-Dimensional traditional/studio progression of the Visual Art Program. Students will concentrate on advanced concepts of elements and principles of design building upon previous knowledge, skills, experiences, and values. A variety of advanced/studio production methods will be explored and students will develop higher level projects. Students will be encouraged to develop projects through self-inquiry and personal style in preparation for advanced high school art courses, post-secondary academic endeavors, and lifetime activities. This course will prepare student for Painting I/II, Drawing I/II, and/or AP Studio Art.

Prerequisite: Introduction to Two-Dimensional Art and Advanced Two-Dimensional Art I, II, III

1 CREDIT

810-811 PAINTING I/PAINTING II (SEMESTER) GRADES 11-12 (4064)

This course is a studio oriented class which enables students to experience a wide variety of different painting techniques and styles. Experimentation and exploration with color will be emphasized along with advanced concepts of basic elements and principles of art, art history, and aesthetics. Students will be encouraged to develop projects through self-inquiry and personal style in preparation for advanced high school art courses, post-secondary academic endeavors, and lifetime activities. This course is for students interested in pursuing AP Studio courses.

Prerequisite: Introduction to Two-Dimensional Art, Advanced Two-Dimensional Art I, II, and III

1 CREDIT

826 – 827 DIGITAL DESIGN I/ DIGITAL DESIGN II (FULL YEAR) GRADES 9-12 (4082)

Digital Design is for students who are considering a career in visual communications. Emphasis will be placed on using the computer as a means of artistic expression. Students will work with bitmap and object-oriented software, the PC computer, digitized photos and drawings, the scanner as a creative tool, and explore layers and manipulation of images. Students taking this course will engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio-quality works. Students will also prepare for advanced high school art courses, career opportunities, post-secondary academic endeavors, and lifetime activities. A slight portion of the semester will be used to experiment with three-dimensional modeling and animation. This course will fulfill the Core 40, AHD requirement, and a technology credit.

Prerequisite: None

2 CREDITS

824 – 825 INTRODUCTION TO THREE-DIMENSIONAL ART/ AD- VANCED THREE- DIMENSIONAL ART I (FULL YEAR) GRADES 9-12 (4002/4006)

This course introduces the elements, principles, and design concepts that serve as a foundation for all works of art. Through exploration of materials and techniques student will strengthen their ability to develop and organize successful three-dimensional pieces of art. Different artists, historical periods and artistic styles will be explored helping students to express their own personal style at a higher level. Students will also prepare for advanced high school art courses, career opportunities, post-secondary academic endeavors, and lifetime activities. This course will fulfill the Core 40 and AHD requirement.

Prerequisite: None

2 CREDITS

828-829 ADVANCED THREE- DIMENSIONAL ART II/ ADVANCED THREE- DIMENSIONAL ART III (FULL YEAR) GRADES 10-12 (4006)

This course is the second step in the Three-Dimensional traditional/studio progression of the Visual Art Program. Students will concentrate on advanced elements and principles of three-dimensional design and construction building based on previous gained knowledge. Students will be encouraged to develop projects through self-inquiry and personal style in preparation for advanced high school art courses, post-secondary academic endeavors, and lifetime activities.

Prerequisite: Introduction to Three-Dimensional Art and Advanced Three-Dimensional Art I

2 CREDITS

804-805 CERAMICS I/ CERAMICS II (4040) (FULL YEAR) GRADES 10-12

This studio oriented class gives students the opportunity to creativity explore the possibilities of clay work using various methods of hand built construction with an introduction to the use of the potter's wheel. Emphasis is placed on the development of skills, use of appropriate ceramic vocabulary, fabrication techniques and equipment associated with the ceramics craft. All assignments will demonstrate both artistic merit and good craftsmanship. Creativity is fostered while students learn to analyze, evaluate, communicate, organize and problem solve through ceramics. The course prepares students for career opportunities, post-secondary academic endeavors, and lifetime activities. This course is encouraged for students interested in pursuing AP Studio 3D Design.

Prerequisite: Introduction to Three-Dimensional Art, Advanced Three-Dimensional Art I

2 CREDITS

**806-807 CERAMICS III / CERAMICS IV
(FULL YEAR) GRADE 11- 12 (4040)**

This studio oriented class caters to student's specific strengths, hand building and/or the potter's wheel. Projects are larger in scope and include multiple teacher-student critiques. Students will use advanced design skills acquired from ceramics i and ii courses to complete high-quality, formal ceramic pieces. Students are asked to push the boundaries of function, materials, and the fabrication processes in hand building, while continuing to improve their building techniques on the potter's wheel. Art related career opportunities and studio responsibilities will be addressed. This course is encouraged for students interested in pursuing ap studio 3d design.

Prerequisite: Introduction to Three-Dimensional art, Advanced Three-dimensional art I and Ceramics I and II

2 CREDITS

**808-809 CERAMICS V / CERAMICS VI
(FULL YEAR) GRADE 12 (4040)**

this studio oriented class caters to student's specific strengths, hand building and/or the potter's wheel. students will use advanced design skills acquired from previous ceramic courses to complete high-quality ceramic pieces while continuing to improve their techniques. art related career opportunities and studio responsibilities will be addressed. this course is encouraged for students interested in pursuing ap studio 3d design.

Prerequisite: Introduction to three-dimensional art, advanced three-dimensional art i and ceramics I, II, III and IV

2 CREDITS

**812-813 JEWELRY I / JEWELRY II
(SEMESTER) GRADES 10-12 (4042)**

This class enables students to develop their technical and craftsmanship skills through the creation of several metal projects. Students will explore a variety of materials while studying jewelry making and metal techniques. Students will engage in experiences in art history, aesthetic, and art criticism. The course prepares students for career opportunities, postsecondary academic endeavors, and lifetime activities. Students are required to supply some needed materials.

Prerequisite: Introduction to Three-Dimensional Art, Advanced Three-Dimensional Art I

1 CREDIT

**814-815 VISUAL COMMUNICATION I / VISUAL COMMUNICATION II
(FULL YEAR) GRADE 12 (4086)**

This course is an advanced step in the digital/applied/vocational progression of the visual art program. The course builds upon the visual art knowledge, skills, experience, and values developed in the digital design courses. With the different learning experiences students will be prepared for vocational opportunities and post-secondary academic endeavors related to commercial design in printing careers. The course concentrates on visual digital print productions, television, web design, related concepts of the elements and principles of design, history of design and advertising, and modern commercial design printing production. The students will utilize bitmap and object-oriented software, animation software, and Page layout software for projects associated with commercial print design. Students are required to supply a digital camera (4 megapixels or above) and a cd/flash drive.

Prerequisite: Digital Design I & II

2 CREDITS

**837 – 838 PHOTOGRAPHY I / PHOTOGRAPHY II
(FULL YEAR) GRADES 10-12 (4062)**

Photography is an advanced step in the Digital/Applied/ Vocational progression of the Visual Art Program. This course builds upon the visual art knowledge, skills, and experience developed in the Digital Design courses. The course explores digital still photography, television productions, related concepts of the elements and principles of design, history of photography, and digital photo enhancements. Students will utilize the digital camera, computers, bitmap/raster software, scanners, photo-manipulation software, video camera, and digital editing hardware. Students will also prepare for advanced high school art courses, career opportunities, post-secondary academic endeavors, and lifetime activities. Students are required to supply a digital camera (4 megapixels or above), a CD/flash drive, and a DVD or video tape.

Prerequisite: Digital Design I and II

2 CREDITS

**835-836 JEWELRY III/ JEWELRY IV
(SEMESTER) GRADE 12 (4042)**

This studio oriented class caters to student's specific strengths in jewelry. Projects are larger in scope and include multiple teacher-student critiques. Students will use advanced design skills acquired from Jewelry I and II courses to complete high-quality pieces. Art related career opportunities and studio responsibilities will be addressed. This course is encouraged for students interested in pursuing AP Studio 3D Design. Students are required to supply some needed materials.

Prerequisite: Introduction to Three-Dimensional Art, Advanced Three-Dimensional Art I, Jewelry I and II.

1 CREDIT

**ADVANCED PLACEMENT STUDIO ART (4050)
(FULL YEAR) GRADE 11- 12**

AP Studio Art is a course based on the content established by the College Board. Portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year. The AP program is a cooperative endeavor that helps high school students' complete college-level courses and permits colleges to evaluate, acknowledge, and encourage that accomplishment through the granting of appropriate credit and placement

THE COURSE IS DIVIDED INTO THE FOLLOWING DISCIPLINES:

818-819 (4048)

AP Studio Drawing Portfolio: The Drawing Portfolio is designed to address a very broad interpretation of drawing issues and media.

Prerequisite: Instructor approval

2 CREDITS

816-817 (4050)

AP Studio 2-D Design Portfolio: This portfolio is intended to address a very broad interpretation of two-dimensional design issues. This type of design involves purposeful decision-making about how to use the elements and principles of art in an integrative way.

Prerequisite : Instructor approval

2 CREDITS

820-821 (4052)

AP Studio 3-D Design Portfolio: This portfolio is intended to address a broad interpretation of sculptural issues in depth and space. A variety of approaches to representation, abstraction, and expression may be part of the student's portfolio.

Prerequisite: Instructor approval

2 CREDITS

HEALTH / PHYSICAL EDUCATION

900-901 910-911 PHYSICAL EDUCATION (Full Year) Grades 9-12 (3542) (3544)

The focus of this class is the promotion of health-related physical fitness and exposure to a wide variety of activities including swimming, soccer, volleyball, basketball, floor hockey, net games, weight training, roller skating, softball and tennis. The Presidential Physical Fitness and Fitnessgram programs are used to assess students' fitness progress throughout the year. Skill rubrics are used to assess game related skills. Class grade is based on participation, skill tests and written tests. As part of participation, students dress out daily with any neat, clean shorts and top and supportive tennis shoes. Unexcused absences and failure to dress out and participate for 4 days result in failure for that grading period.

Prerequisite: None

2 CREDITS

912-913 (3560) BOYS' ELECTIVE PHYSICAL EDUCATION

Track A - This class uses the "Bigger, Faster, Stronger" weight lifting program. Students learn training techniques to promote their sport performance and their fitness. Core lifts are emphasized; bench press, squat, dead lift, power clean, towel bench, and box squat. Students are exposed to a training stimulus that helps them become faster and stronger. Class grade is based on skill tests, participation, core lift rubrics and written work. As part of participation, students dress out daily with any neat, clean shorts and top and supportive tennis shoes. Unexcused absences and failure to dress out and participate for 4 days result in failure for that grading period.

2 CREDITS

912B-913B (3560)

Track B - INTRAMURAL SPORTS/PLAY 60

The focus of this class is the promotion of physical fitness and skill development in a wide variety of activities. Fitnessgram will be used to monitor health-related physical fitness. Skill rubrics will be used to evaluate game skills. Intramural activities will include flag football, flickerball, volleyball, basketball, floor hockey and softball. Class grade is based on participation, skill tests, skill rubrics and written tests. As part of participation, students dress out daily with any neat, clean shorts and top and supportive tennis shoes. Unexcused absences and failure to dress out and participate for 4 days result in failure for that grading period.

Prerequisite: Basic Physical Education

2 CREDITS

916-917 (3560) GIRLS' ELECTIVE PHYSICAL EDUCATION

TRACK A -This class uses the "Bigger, Faster, Stronger" weight lifting program. Students learn training techniques to promote their sport performance and their fitness. Core lifts are emphasized; bench press, squat, dead lift, power clean, towel bench, and box squat. Students are exposed to a training stimulus that helps them become faster and stronger. Class grade is based on skill tests, participation, core lift rubrics and written work. As part of participation, students dress out daily with any neat, clean shorts and top and supportive tennis shoes. Unexcused absences and failure to dress out and participate for 4 days result in failure for that grading period.

2 CREDITS

916B-917B (3560) WELLNESS CLASS

TRACK B- The focus of this class is the promotion of health-related physical fitness. Students will use the cardiovascular equipment in the weight room, participate in Zumba, yoga, power walking and body pump as well as using the weight equipment. Nutrition will be a major focus in the written work side of the class. Fitnessgram will be used to monitor students' physical fitness progress. Class grade is based on participation, skill tests, and written tests. As part of participation, students dress out daily with any neat, clean shorts and top and supportive tennis shoes. Unexcused absences and failure to dress out and participate for 4 days result in failure for that grading period.

Prerequisite: Basic Physical Education

2 CREDITS

918 ELECTIVE PHYSICAL EDUCATION (LIFETIME SPORTS) (SEMESTER) GRADE 12 (3560)

This course will offer activities students can participate in for a lifetime. Bowling, golf, tennis, sand volleyball, table tennis, badminton, disc golf, roller-skating, and softball are examples of some of the activities students will be offered. Other activities may be added. A field trip to a vertical climbing gym and ice skating or canoeing are feature activities. Students are assessed a \$60.00 fee to cover the cost of using non-school facilities for certain sports. A random selection process will be used to determine the class roster when enrollment exceeds class limits.

Prerequisite: Must be a senior student who has successfully completed at least four semesters of physical education courses with a "B" average or two semesters of physical education with "B" average and has participated in three years of the same varsity sport.

1 CREDIT

920 HEALTH AND WELLNESS EDUCATION (SEMESTER) GRADE 9-12 (3506)

Students will learn information and methods to achieve optimal wellness. Units of study will include first aid and CPR, mental and emotional health, nutrition and body composition, alcohol and other drug abuse, chronic diseases, personal health, sex education to include information on AIDS and self-examination for breast and testicular cancer.

Prerequisite: None

1 CREDIT

**016-017 ENGLISH 9
(FULL YEAR) (1002)**

English 9 covers a semester of intensive grammar and composition. The class is designed to reinforce and improve language arts skills in writing, reading and communication. Students will develop their writing skills through process writing, editing and technology. Students will also read and interpret literature for writing and speaking purposes. In Semester II, students are introduced to a wide variety of literature. In addition to reading and interpreting the literature, students will learn how to write responses and how to identify literary forms and concepts. Students will study different genres of reading and writing and demonstrate oral competencies in various speaking situation, both formal and informal. A vocabulary study will be integrated with the study of fiction, nonfiction, poetry and drama. Students will develop their writing skills through editing and grammar review.

Prerequisite: None**2 CREDITS****014-015 HONORS ENGLISH 9
FULL YEAR (1002)**

Students will engage in an intensive level of grammar, composition and literature studies aimed at helping them prepare for further advanced English and college studies. The focus will be on the refinement of writing, both creative and analytical, speaking, listening and critical thinking skills through exploration of ideas, themes and issues in literature. In addition to numerous other short stories, poems and novels, the students will read, reflect on and analyze *Great Expectations*, and *Romeo and Juliet* (in text). Students will also be required to read and analyze additional pieces of literature independantly. Intensive vocabulary study will be integrated with composition as well as in the analysis of fiction, nonfiction, poetry, and drama. Students will further develop their writing skills through editing and grammar review. Expectations for quality of written and analytical work will be greater.

Prerequisite: Above average grades in English, strong English grades and an interest in accepting an accelerated workload.**2 CREDIT****012-013 EVERYDAY ENGLISH 9 AND LANGUAGE ARTS LAB
(FULL YEAR) (1010) (See description for 016-017)**

Everyday English 9 and Language Arts Lab is a supplemental course that provides students with individualized or small group instruction designed to support success in completing language arts course work aligned with Indiana's Academic Standards for English/Language Arts in grade 9 and focusing on the Writing Standards.

Prerequisite: None**2 CREDITS PER SEMESTER****018 ENGLISH 10
(FULL YEAR) (1004)**

English 10 is a continuation of disciplines covered in previous courses. Consideration is given to a variety of literature genres and also various writing strategies. Students will respond critically, reflectively, and imaginatively to the literature and practice distinguishing among the different types of contents and purposes language can hold, for example, logic, opinion, ideology, point-of-view. In addition, students will read both for instruction and pleasure. Speaking and listening skills will be studied and applied, with a variety of speeches being presented. Students will study the writing process from prewriting through publishing.

Prerequisite: None**2 CREDITS****024-025 HONORS ENGLISH 10 (FULL YEAR) (1004)**

This is a year-long course that covers a variety of literary genres (e.g., short stories, novels, plays, poems, essays) and writing strategies. Students will express themselves creatively and thoughtfully through a variety of writings (e.g., journals, essays, timed writings), class discussions, speeches and independent and group projects. Throughout the year, emphasis will be placed on vocabulary development and proper grammar and mechanics usage. Students will be challenged to analyze the use of literary devices within texts, as well as incorporating similiar devices into their own writing. Each grading period, students will be responsible for reading one novel (outside of the assigned reading for class) and completing a variety of projects based on that novel. Expectations for the quality of written and analytical work will be higher than those of a standard English 10 course.

Prerequisite: Above average grades in English, Honors English 9 or an interest in accepting an accelerated workload.**2 CREDITS****022-023 ENGLISH 11 (FULL YEAR) (1006)**

This is a year-long course that explores various writings from American literature, including short stories, poems, plays, novels, and essays. Students will be required to relate the ideas and philosophies in the texts to historical and current events. Throughout the year, emphasis will be placed on vocabulary development, proper grammar and mechanics usage, and strong composition skills. Students will have the opportunity to express themselves through a variety of writings (e.g., journals, essays, timed writings), class discussions, speeches and independent and group projects. Readings will include *The Crucible*, *Of Mice and Men*, and *To Kill a Mockingbird*.

Prerequisite: None**2 CREDITS****033-034 HONORS ENGLISH 11 (FULL YEAR) (1006)**

This is a year-long course designed for the advanced college-bound student who excels in English. Honors English 11 is a survey course, beginning with the writing of American literature from the colonial period to the present. Relating the ideas and philosophy in the selections to historical and current events is required. Students will be required to do extensive reading of different genres, including short stories, essays, novels and plays. Students will write frequently and will be responsible for perfecting grammar and composition skills. The study of vocabulary will last all year and students will write essays and research papers. Students will be required to take part in class discussions and develop critical and creative thinking skills. Major projects, performance and writing assignments will take the place of traditional daily grades.

Prerequisite: Above average grades in English, Honors English 10 or an interest in accepting an accelerated workload.**2 CREDITS****026-027 ENGLISH 12 (FULL YEAR) (1008)**

This is a year-long course that covers British and World Literature. Semester 1 covers the Anglo-Saxon period through the Renaissance. Semester II covers the Restoration to the present. Literary analysis, formal speaking, group work and vocabulary development are stressed. Students will have the opportunity to express themselves through journals, essays and timed writings. Such works as *Beowulf*, *The Canterbury Tales*, and *Macbeth* will be discussed. Relating the ideas and philosophy in each unit to historical and current events is essential.

Prerequisite: None**2 CREDITS****040 CONTEMPORARY LITERATURE(SEMESTER)
GRADES 11-12 (1054)**

A modern world literature anthology (writings from 1960's to the present) is the basis of this course, although additional novels, poems, plays, and essays will be studied. Writing skills are emphasized. Relating written ideas and philosophies to historical and current events is integral. This one semester course may substitute for one semester of English 12. The course is open to juniors and seniors. A student planning a midyear graduation should consider taking this course during the junior year.

Prerequisite: An interest in reading**1 CREDIT**

029-030ADVANCED ENGLISH/LANGUAGE ARTS, COLLEGE CREDIT (FULL YEAR) GRADE 12 (1124)**

This course has been developed to challenge college-bound seniors who excel in English. Students will be introduced to different genres of literature and writing as they read and critique selected short stories, essays, poems, plays, and novels. Writing assignments will include individual and group research projects which will emphasize correct research procedures, outside reading, and class presentations. Students will be encouraged to think independently as they work cooperatively in groups. In addition, they will learn to analyze their writing and edit to improve content, style, and grammar. Vocabulary will be generated from course content. Semester and yearlong projects will be a significant portion of the overall grade. Mid-term graduates may not enroll in this course.

Prerequisite: Above average grades in English. English staff recommendation. Interest in accepting accelerated work load. **2 CREDITS**

A student enrolled in Advanced English/Language Arts, College Credit will also have the opportunity to be simultaneously enrolled in a USI class, Rhetoric and Composition 1: Critical Thinking (English 101) for 3 credits

048 JOURNALISM I (SEMESTER) GRADES 9-12 (1080)

This class is designed to introduce interested students to journalism and the printed mass media. It serves as an excellent starting point for those wanting to be on a journalism staff. Areas of study and practice will include the following: photography, news writing, feature writing, sports writing, editorial writing, layout design, and the practical use of the InDesign program used in yearbook and newspaper publication. Students who demonstrate exceptional journalistic ability may apply to be on the yearbook or newspaper staff.

Prerequisite: None **1 CREDIT**

050-051 STUDENT PUBLICATIONS (NEWSPAPER) (FULL YEAR) GRADES 9-12 (1086)

The major activity of this class is to write and distribute the school's newspaper, THE WILDCAT WORD. The class is designed to teach the practical mechanics of journalism and deadline production. The student must be organized and self-motivated; meeting deadlines is absolutely mandatory. The student will be required to gather news material and conduct interviews outside of class time. Enrollment is limited; interested students must complete an application, with selection of the staff made considering the specific skills needed and other qualities essential to successful newspaper production.

Prerequisite: Good writing skills, computer, and/or photography skills; application only. Journalism I is required. **2 CREDITS**

080-081 STUDENT PUBLICATIONS (YEARBOOK) (FULL YEAR) GRADES 9-12 (1086)

The major purpose of this class is the production of the HOOP-POLE, the school's yearbook. Students learn layouts, designs, photography, and InDesign techniques as they prepare the record of the school year in pictures and copy. Students will use creative ideas to portray people and events. Enrollment is limited; interested students must complete an application, with selection of the staff made considering the specific skills needed and other qualities essential to successful yearbook production.

Prerequisite: Writing, creativity, and computer or photography skills are recommended; application only. Journalism I is required.

2 CREDITS

046 CREATIVE WRITING (Semester) grades 10-12 (1092)

Creative writing will provide students an opportunity to combine literary creativity with the discipline of written communication. Students will become familiar with the standard literary elements of prose and poetry and be taught to use them in their own writing. A portfolio is a requirement. Students will revise, proofread, and edit papers. Students will write daily, completing timed writings, journals, and assignments from the text and other sources.

Prerequisite: English 9 **1 CREDIT**

290 CADET TEACHING EXPERIENCE (SEMESTER) GRADE 12 (0502)

Seniors interested in teaching as a career may elect this class. The student goes to the junior high school for two periods for one semester. Through the school principal, the student is assigned to a classroom in keeping with the student's interest. The student observes and helps in the classroom and teaches under the supervision of the professional teacher. The cadet teaching program may be taken first or second semester. Students will meet periodically with the supervising teacher at the high school. Related written assignments will be assigned weekly. One project related to the teaching assignment will be required each nine weeks.

Prerequisite: An interest in entering the teaching profession, dependability, and a grade point average of 2.5 or above.

2 CREDITS

031-032 MASS MEDIA (SEMESTER) GRADES 9-12 (1084)

Mass Media provides a study of television and film as sources of information, persuasion, and creative expression. This course helps students develop an awareness of audience and purpose in evaluating mass media, as well as in producing media productions. This course introduces students to many of the skills that are needed to produce a successful television program. Students have a chance to produce several projects on their own as well as producing the morning announcements. Vocabulary, equipment usage, and onscreen presentation are emphasized.

Prerequisite: Students who want to take the course for more than one semester must have successfully completed Mass Media earning a grade of "C" or higher and have instructor approval.

1 CREDIT

020 ETYMOLOGY (SEMESTER) GRADES 10-12

The goal of this course is to help strengthen vocabularies for application to reading, writing and speaking. Successful completion of this course should improve verbal skills on critical college entrance exams such as the ACT and SAT. Students receive instruction in the derivation of English words and word families focusing on Latin and Greek roots, as well as resources for etymological study. The course also provides a study of the connotative and denotative meanings of words in a variety of contexts. Students will increase writing skills by creating compositions developed around vocabulary and language study. Further development of oral communication skills is enhanced through a variety of activities.

Prerequisite: English 9 **1 CREDIT**

214-215 CAREER INFORMATION AND EXPLORATION (SEMESTER) GRADES 11-12 (0522)

The course in Career Information and Exploration provides students opportunities to learn about themselves and about various traditional and nontraditional occupations and careers. Students also gain an awareness of the type of occupational preparation or training needed for various occupations and careers. Students develop skills in: (1) employability, (2) understanding the economic process, and (3) decision making and planning. Opportunities are provided for students to observe various job situations through field trips, internships, mock interviews, and guest speakers. Resume development experience and career-related testing are also provided to students.

Prerequisite: None
Counts as an Elective for all diplomas

MATHEMATICS

Four credits of mathematics are required for graduation and students are encouraged to continue in the math sequence as long as they are successful (making C's or better.) All students are expected to pass Grade 10 ISTEP. Some state universities require students to have taken 8 semesters of mathematics while in high school. Sufficient mathematical preparation enhances success in higher education and broadens career choices.

311 ALG ENRICHMENT/300 ALGEBRA I (EVERYDAY) (FULL YEAR) (2516,2520)

Algebra I is a full-year course which provides a formal development of the algebraic skills and concepts necessary for students to successfully complete the Core 40. The instructional program in this course provides for the use of algebraic skills in a wide range of problem-solving situations. Topics include properties of real numbers, solving linear equations and inequalities, graphing linear and quadratic functions, systems of linear equations and inequalities, basic operations with polynomials, solving quadratic equations, exponents, and introductory topics in statistics and probability. This course will meet every day in our block schedule.

311 counts as math credit for general diploma only

4 CREDITS

(2 credits in Algebra Enrichment and 2 credits in Algebra 1)

315-316 ALGEBRA I (FULL YEAR) GRADES 9-12 (2520)

Algebra I is a full-year course which provides a formal development of the algebraic skills and concepts necessary for students who will take geometry and other college-preparatory mathematics courses and successfully complete the Core 40. The instructional program in this course provides for the use of algebraic skills in a wide range of problem-solving situations. Topics include properties of real numbers, solving linear equations and inequalities, graphing linear and quadratic functions, systems of linear equations and inequalities, basic operations with polynomials, solving quadratic equations, exponents, and introductory topics in statistics and probability. (Core 40)

Prerequisite: Pre-Algebra (Jr. High)

2 CREDITS

308-309 MATH LAB (2560) (FULL YEAR) GRADE 9

Math Lab is a full-year transitional course which provides the mathematical background, skills and thinking processes necessary for successful completion of Algebra. Topics include whole numbers, integers, rational numbers and their applications. Number theory, ratios, proportion, percent, probability, equations, inequalities, graphing, square roots, and appropriate geometric concepts are also included. The instructional program of this course provides for the understanding and use of these concepts as well as their application through appropriate problem solving situations. This course invites the exploration of mathematics beyond arithmetic.

Prerequisite: None

2 CREDITS

Counts as elective credit for all diploma types

317-318 ALGEBRA II (FULL YEAR) GRADES 10-12 (2522)

Algebra II is a full-year course which expands on the topics of Algebra I and provides further development of the concept of a function. Expanded topics of this course include the theorems and algorithms of algebra, polynomials and polynomial functions, rational and irrational exponents, complex numbers, sequences and series and systems of equations and inequalities. Counting principles are introduced and probability is further developed. Matrices are included along with exponential and logarithmic functions. Students are encouraged to have a graphics calculator (TI-84+)

Prerequisite: Algebra I

2 CREDITS

313-314 EVERYDAY ALGEBRA II AND MATH LAB (FULL YEAR) GRADES 10-12 (2560) (See Description for 317-318)

Algebra II with Math Lab is intended for the student who passed Algebra I, but who struggled to master the concepts covered, and wants to complete the requirements of the Core 40 Diploma. The Math Lab portion of the course will provide the student with the individualized instruction and practice time needed to support the successful completion of Algebra II.

Prerequisite: Algebra I

2 CREDITS

323-324 HONORS ALGEBRA II (FULL YEAR) GRADES 10-12 (2522)

Honors Algebra II is a full-year course which expands on the topics of Algebra I and provides further development of the concept of a function. Expanded topics of this course include the theorems and algorithms of algebra, polynomials and polynomial functions, rational and irrational exponents, complex numbers, sequences and series, and systems of equations and inequalities. Counting principles are introduced and probability is further developed. Matrices are included along with exponential and logarithmic functions. This course is intended for those students who are pursuing the Academic Honors Diploma. All concepts covered in Algebra II will be covered in this course. The students in this course will be expected to obtain a deep understanding of the concepts covered and to apply them in solving rigorous problems. This course is intended for those students who are pursuing the Academic Honors Diploma. (Core 40) Students are expected to have a graphing calculator (TI-84+)

Prerequisite: Strong preparation in Honors Geometry

2 CREDITS

319-320 HONORS GEOMETRY (FULL YEAR) GRADES 9-10 (2532)

Honors Geometry is a full-year course that stresses the use of deductive and inductive reasoning as well as investigative strategies in drawing conclusions. Properties and relationships of geometric entities include the study of angles, lines, planes, congruent triangles, similar triangles, polygons, circles, and spatial drawings and relationships. Estimation and measurement topics are integrated throughout the course. Construction of geometric figures, perimeter, area, and volume are covered. This course develops an understanding of the need for proof and the use of logic in developing proof. Those students who complete Honors Geometry will have experience in writing proofs in a variety of styles. Problem solving and recognizing algebra/geometry interrelationships are important parts of this course. (Core 40)

Prerequisite: Strong Algebra I background.

2 CREDITS

321-322 GEOMETRY (FULL YEAR) GRADES 11-12 (2532)

Geometry is a full-year course that will use deductive and inductive reasoning as well as investigative strategies in drawing conclusions. Properties and relationships of geometric entities include the study of angles, lines, planes, congruent triangles, similar triangles, polygons, circles, and spatial drawings and relationships. Estimation and measurement topics are integrated throughout the course. Construction of geometric figures, perimeter, area, and volume are covered. This course develops an understanding of the need for proof and the use of logic in developing proof. Those students who complete Geometry will have experience in writing proofs. (Core 40)

Prerequisite: Successful completion of Algebra I & Algebra II

2 CREDITS

**340-341 PRE-CALCULUS/TRIGONOMETRY
(FULL YEAR) GRADES 11-12 (2564)**

Pre-Calculus/Trigonometry blends the concepts and skills that must be mastered before enrollment in a calculus course. The course includes the study of relations and functions, exponential and logarithmic functions, trigonometry in triangles, trigonometry functions, trigonometric identities and equations, polar coordinates and complex numbers, sequences and series, and data analysis. A student enrolled in this course has the opportunity to enroll and earn credit at Ivy Tech. Students will have the opportunity to earn 3 Ivy Tech credits for the course Trigonometric Functions (Math 137 second semester). A student enrolled in pre-calculus will also have the opportunity to be simultaneously enrolled in a USI class, College Algebra (Math 111) for 4 credits. Students are expected to have a graphing calculator (TI-84+)

Honors Algebra II with a grade of "C" or higher is highly recommended

2 CREDITS

347-348 STATISTICS AP (2570)

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Topics include: (1) exploring data: describing patterns and departures from patterns (2) sampling and experimentation: planning and conducting a study, (3) anticipating inference: estimating population parameters and testing hypotheses. The use of a graphing calculator and computer software is required. Students are expected to have a graphing calculator (TI-84+). Students in this course will be required to take the Advanced Placement Statistics Exam.

Prerequisite: Algebra II with grade C or higher.

2 CREDITS

**380-381 CALCULUS AB ADVANCED PLACEMENT
(FULL YEAR) GRADE 12 (2562)**

AP Calculus is a full-year course which provides students with the content established by the College Board. Calculus is primarily concerned with an intuitive understanding of the concepts of calculus and experience with its methods and applications. General topics include limits, continuity, derivatives, definite integrals, and techniques of differentiation and integration involving rational, trigonometric, logarithmic, and exponential functions. The course also includes applications of the derivative, the integral, and theory of calculus. Students enrolled in this class are required to take the Advanced Placement Calculus AB Examination.

Prerequisite: Pre-Calculus

2 CREDITS

SCIENCE

**400-401 EARTH AND SPACE SCIENCE I
(FULL YEAR) GRADES 9-12 (3044)**

Earth/Space Science is an introductory science course in the areas of geology, the earth's history, oceanography, weather, climate, and astronomy. Through extensive use of laboratory exercises a student is introduced to the fundamentals of these subject areas. It is designed as an exploratory study for the student who may be interested in one or more of the above subject areas and the principles involved in these areas. The course involves class lectures and discussions, labs, special projects or reports, homework, and the formulation of a notebook.

Prerequisite: Strong junior high science background recommended.

2 CREDITS

**402-403 HONORS EARTH SCIENCE (3044)
(FULL YEAR) GRADES 11-12**

Students enrolled in this course examine various earth and space science phenomena, such as structure, composition, and interconnected systems of Earth and the various processes that shape it. Students will analyze and apply themes of Earth and space science as part of scientific inquiry aimed at investigating Earth and space science problems related to personal needs and community issues.

2 CREDITS

Prerequisite: Juniors and Seniors completion of Algebra and Biology

A student enrolled in Honors Earth Science can receive 3 credits from the University of Southern Indiana in (Earth Science 161) through the College Achievement Program (CAP)

**411-412 BIOLOGY I
(FULL YEAR) GRADES 9-12 (3024)**

Biology I is a two semester course required for graduation. The course gives a progressive look at the biological sciences from the atom to complex organisms. The first semester includes biochemistry, the study of molecular structures and processes related to life, and cytology, the study of the cell's structures and functions. Emphasis is placed on cellular respiration, photosynthesis, protein synthesis and genetics. This background information leads to the second semester with the study of ecology, evolution, taxonomy and the development and organization of living organisms in the six kingdoms. The course involves class lectures and discussions, labs (including the observation and dissection of organisms), special projects or reports, homework, and the formulation of a notebook.

Prerequisite: Strong junior high science background suggested

2 CREDITS

**431-432 CHEMISTRY I
(FULL YEAR) GRADES 10-12 (3064)**

Chemistry deals with the comparison, structure, and properties of substances and the changes they undergo. It includes a study of the elements and their symbols, and of compounds and the formulas. A qualitative approach to chemical changes involves the use of some basic math skills. A very close correlation exists between basic chemistry and everyday life - the food we eat, the clothes we wear, and the many items in the home. Chemistry serves as an excellent background for nearly all four year college programs and is an excellent recommendation for the best secretarial positions particularly in Southwest Indiana which has a major portion of industry that is chemically oriented.

Prerequisite: Algebra I with a grade of "C" or better

2 CREDITS

**441-442 ADVANCED CHEMISTRY COLLEGE CREDIT
(FULL YEAR) GRADES 11-12 (3066)**

Chemistry II is designed to provide those students with a real interest in chemistry an opportunity to expand their knowledge of basic chemistry and to conduct more laboratory experiments. The additional laboratory experiences help the students better understand chemical phenomena. The class should prepare a student with the necessary facts and understanding of chemical concepts to better compete in college chemistry.

Prerequisite: Chemistry I

2 CREDITS

A student enrolled in Advanced Chemistry, College Credit will also have the opportunity to be simultaneously enrolled in a USI class. Elements in Everyday Chemistry (Chemistry 107) for 4 credits

**408-409 HONORS BIOLOGY I
(FULL YEAR) GRADES 9-12 (3024)**

Honors Biology I is a two semester course that meets the Core 40 requirement for graduation. Honors Biology I follows the state standards for biology in more depth and at an accelerated pace, culminating with an Honors project. Students will spend a minimum of 20% of class time in laboratory experiences. The first semester includes biochemistry, the study of molecular structures and processes related to life and cytology, the study of the cell's structure and functions. Emphasis is placed on cellular respiration, photosynthesis, protein synthesis and genetics. This background information leads to the second semester with the study of classification, evolution, and the development and organization of living organisms in the six kingdoms. Each kingdom is discussed with a focus on biological diversity, specializations and complexity, disease, and comparative anatomy and physiology. The course involves class lectures and discussions, labs (including the observation and dissection of organisms), special projects or reports, homework, and the formulation of a notebook.

Prerequisite: Strong junior high science background suggested along with counselors recommendation.

2 CREDITS

**414-415 INTEGRATED CHEMISTRY-PHYSICS (L)
(FULL YEAR) GRADES 9-10 ONLY (3108)**

Integrated Chemistry-Physics is a laboratory based course in which students explore fundamental chemistry and physics principles. Students enrolled in this course examine, through the process of scientific inquiry, the structure and properties of matter, chemical reactions, forces, motion, and the interactions between energy and matter. Working in a laboratory environment, students investigate the basics of chemistry and physics in solving real world problems that may have personal or social consequences beyond the classroom.

Prerequisite: Algebra I (May be taken concurrently with this course)

2 CREDITS

**451-452 ADVANCED BIOLOGY COLLEGE CREDIT
(FULL YEAR) GRADES 11-12 (3090)**

Biology II is a two semester class designed for the academically motivated student interested in pursuing a career in the life sciences (i.e. medical, pharmaceutical, biological research...). The subject matter is similar to Biology I but is studied more in-depth. The first semester includes biochemistry, with emphasis on molecular structures and their life related properties, and cytology, with emphasis on their internal structures, functions, and processes. Cellular respiration, photosynthesis, and protein synthesis are discussed in great detail. The second semester uses this knowledge towards the understanding of the anatomy and physiology of the human body. This includes a lengthy dissection of a cat. Through the comparison of the cat to the human, the student will develop a better understanding of how each organ system is designed, functions, and interrelates to each other. The course involves class lectures and discussions, labs, a research paper, class report, and the formulation of a notebook.

Prerequisite: Biology I and Chemistry I

2 CREDITS

A student enrolled in Advanced Biology, College Credit will also have the opportunity to be simultaneously enrolled in a USI class, Biology of Human Concern (Biology 105), for 3 credits.

**453 ADVANCED SCIENCE, SPECIAL TOPICS (ADV. BIOLOGY III)
MEDICAL TERMINOLOGY CC
(SEMESTER) GRADE 12 (3092)**

This will be an independent study of Biology taught in conjunction with the Vanderburgh County Coroner's Office and Deaconess Hospital. The student will spend nine weeks at the coroner's office and nine weeks at the hospital. At the hospital, the student will spend three weeks in surgery, three weeks in therapy and three weeks in the lab. A genuine interest in the medical field following high school is essential. All prerequisites must be met. A selection committee will conduct interviews with interested students. Students will provide their own transportation to and from the class site. A waiver of insurance and liability must be on file with the Vanderburgh County Coroner's Office, Deaconess Hospital and the school for each student.

Medical Terminology will be offered as College Credit through USI.

Prerequisite: Biology I, Chemistry 1, Biology II

1 CREDIT

**461-462 PHYSICS COLLEGE CREDIT
(FULL YEAR) GRADES 11-12 (3084)**

Physics is a science that deals with the interrelationship of matter and energy. Mechanics, light, sound, electricity and magnetism, are major areas of study. An understanding of physics through laboratory experiments plays a major role in this class. The class is a necessity for any student considering a scientific or technically-oriented career such as engineering, computer science, etc. While it is not calculus based, the student must have excellent math logic skills. The course involves class lectures and discussions, labs, reports, homework, the formation of a notebook, and special nine weeks projects.

Prerequisite: Algebra II with a grade of "C" or better and Geometry with a "C" or better.

2 CREDITS

A student enrolled in Physics I, College Credit will also have the opportunity to be simultaneously enrolled in a USI class, Physics 101, for 3 credits.

**455-456 ADVANCED SCIENCE, ORGANIC/BIO CHEMISTRY)
(FULL YEAR) GRADES 11-12 (3092) 2 CREDITS**

The organic portion is a full year course providing students with an in-depth study of introductory organic chemistry. General chemistry concepts (atomic structure, bonding, reactions, acids/bases, equilibria, etc.) are reviewed and applied to the organic chemistry. The course content contains selected principles and applications in organic chemistry with laboratory experiments reinforcing principles covered.

The biochemistry portion provides students with an in-depth study of introductory biochemistry. General chemistry concepts (atomic structure, bonding, reactions, acids/bases, equilibria, etc.) are reviewed and applied to biochemistry. The course content contains selected principles and applications in biochemistry with laboratory experiments reinforcing principles covered. This course supplements a one-semester organic chemistry class. This class is especially designed for students who are pursuing degrees/careers in science/health fields. This course applies to CORE 40 and academic honors diplomas.

The course is also available for dual credit (CHEM 141) at the University of Southern Indiana through the college achievement program (CAP).

Prerequisite: Biology 1, Chemistry 1 and Biology 11 or concurrently with a grade of "A" or "B".

**921-922 ANATOMY & PHYSIOLOGY
(FULL YEAR) GRADES 11-12 (5276)**

Anatomy and Physiology is a course in which students investigate concepts related to Health Science, with emphasis on interdependence of systems and contributions of each system to the maintenance of a healthy body.

This course will introduce students to the cell, which is the basic structural and functional unit of all organisms, and covers tissues, integument, skeleton, muscular and nervous systems as an integrated unit. Through instruction, including laboratory activities, students apply concepts associated with human anatomy and physiology. Students will understand the structure, organization and function of the various components of the healthy body in order to apply this knowledge in all health related fields.

Prerequisite: Biology and Health and Wellness with a B- or higher.

2 CREDITS

SOCIAL STUDIES

210-211 WORLD HISTORY AND CIVILIZATION (FULL YEAR) GRADES 9-12 (1548)

This two-semester course emphasizes key events and developments in the past that influenced people and places in subsequent eras. They examine the key concepts of continuity and change, universality and particularity, and unity and diversity among peoples and cultures from the past to the present

Prerequisite: None

2 CREDITS

220-221 UNITED STATES HISTORY or 222-223 US HISTORY COLLEGE CREDIT

(FULL YEAR) GRADE 11 (1542)

This two-semester course builds upon concepts developed in previous studies and American history and emphasizes national development from the late nineteenth century into the twenty-first century. After review of fundamental themes in the early development of the nation, students study the key events, persons, groups and movements in the late nineteenth, twentieth, and early twenty-first centuries, as they relate to life in Indiana and the United States. **NOTE:** This course is required for graduation.

Prerequisite: None.

2 CREDITS

A Student enrolled in US History College Credit will have the opportunity to be simultaneously enrolled in a USI class for 3-6 college credits.

230 PSYCHOLOGY

(SEMESTER) GRADES 11-12 (1532)

This course provides students the opportunity to explore psychology as the scientific study of mental processes and behavior. Areas of study include the Scientific Method, Development, Cognition, Personality, Assessment and Mental Health, and the Socio-Cultural and Biological Bases of Behavior.

Prerequisite: None

1 CREDIT

240 ECONOMICS or 241 ECONOMICS COLLEGE CREDIT

(SEMESTER) GRADE 12 (1514)

This course examines the allocation of scarce resources and the economic reasoning used by people as consumers, producers, savers, investors, workers, voters, and as government agencies. Key elements include the study of scarcity, supply and demand, market structures, the role of government, national income determination, money and the role of financial institutions, economics stabilization, and trade.

NOTE: This course is required for graduation.

Prerequisite: None

1 CREDIT

A student enrolled in Economics College Credit will have the opportunity to be simultaneously enrolled in a USI class for 3 college credits.

212-213 GEOGRAPHY AND HISTORY OF THE WORLD

(FULL YEAR) GRADES 9-12 (1570)

Students develop and use the six elements of geography to better understand current events and issues facing the world today. These elements are: The World in Spatial Terms, Places and Regions, Physical Systems, Human Systems, Environment and Society, and the Uses of Geography. Students will demonstrate an understanding of these elements of geography in a context of world history, primarily from 1450 to the present.

Prerequisite: None

2 CREDITS

250 UNITED STATES GOVERNMENT (SEMESTER) GRADE 12 (1540)

This course provides a framework for understanding the purposes, principles, and practices of American government as established by the United States Constitution. Students are expected to understand their rights and responsibilities in local, state and national government.

NOTE: This course is required for graduation.

Prerequisite: None

1 CREDIT

280 SOCIOLOGY

(SEMESTER) GRADES 11-12 (1534)

Students study human social behavior from a group perspective, including recurring patterns of attitudes and actions and how these patterns vary across time, among cultures, and in social groups. Students examine society, group behavior, and social structures, as well as the impact of cultural change on society, through research methods using scientific inquiry.

Prerequisite: None

1 CREDIT

284 CURRENT PROBLEMS, ISSUES AND EVENTS

(SEMESTER) GRADES 10-12 (1512)

Current Issues will provide opportunities to investigate and analyze significant problems and/or issues. These issues could include such topics as government policy, health, crime, education, law, and economy on the local, state, national and international level. Students will be developing the skills necessary to independently find and evaluate information and to support and defend opinions. Community service projects and leadership skills might be included in the course.

Prerequisite: A strong interest in social studies. This course may be taken more than once.

1 CREDIT

602 MANUFACTURING SYSTEMS (4784)**(SEMESTER) GRADES 9-12**

This course will be a combination of classroom and lab activities. The classroom phase will emphasize material properties, safety, and manufacturing systems and operations. The laboratory phase will emphasize learning the skills necessary to operate machines used in industry (sheet metal production, metal forming and welding equipment.)

Prerequisite: Interest in Construction and Manufacturing **1 CREDIT**

610-611 MANUFACTURING PROCESSES**(FULL YEAR) GRADES 10-12 (4796)**

This course will be a combination of classroom and lab activities. The classroom phase will emphasize safety and material properties. The lab phase will give students experience in welding, sheet metal work, machining, bending, and automated (CNC) system operations. Students will work individually on small projects and in groups to produce competitive projects.

Prerequisite: Manufacturing Systems. **2 CREDITS**

620 CONSTRUCTION SYSTEMS**(SEMESTER) GRADES 9-12 (4782)**

This course provides the student with basic information about wood and wood products, safe use, and care of hand and power tools. This course requires the student to learn the basic fundamentals of hand tools and machine operations. Each student will be required to complete learning exercises and textbook worksheets. After completion of the exercises and test/quiz work, the students will design and construct their own projects.

Prerequisite: Interest in Construction and Manufacturing **1 CREDIT**

630 DESIGN PROCESSES**(SEMESTER) GRADES 9-12 (4794)**

This course is designed to acquaint the beginning student with the basic fundamentals of technical drawing, to help students learn to visualize in three dimensions and to read and write the language of industry.

Prerequisite: Interest in Drafting and Design **1 CREDIT**

632 COMPUTERS IN DESIGN**(SEMESTER) GRADES 9-12 (4800)**

This course is designed to develop and strengthen the student's technical imagination and to think precisely and understand the language of industry through computer drawings. The first half will emphasize mechanical drafting and the second half will deal with architectural drafting for the construction industry or very detailed drafting for the manufacturing industry.

Prerequisite: Design Processes **1 CREDIT**

635-635 COMPUTERS IN DESIGN AND PRODUCTION SYSTEMS**(FULL YEAR) GRADES 10-12 (4062)**

Builds upon skills learned in Photography I-II, includes camera techniques, photo analysis, photo-composition and increasing emphasis on adjustment and improvement of photographs using photo manipulation software. Students will be encouraged to develop various forms of composition through different creative processes. Consideration will be given to the history of photography, digital photography, and related procedures. Students are required to supply a digital camera.

Prerequisite: Digital Design and Photography I-II

2 CREDITS

640-641 INTRODUCTION TO CONSTRUCTION**(FULL YEAR) GRADES 10-12**

Introduction to Construction is a course that will offer hands-on activities and real world experiences related to the skills essential in residential, commercial and civil building construction. During the course students will be introduced to the history and traditions of construction trades. The student will also learn and apply knowledge of the care and safe use of hand and power tools as related to each trade. In addition, students are introduced to blueprint reading, applied math, basic tools and equipment and safety. Students will demonstrate building construction techniques, including concrete and masonry, framing, electrical, plumbing, dry walling, HVAC and painting as developed locally in accordance with available space and technologies. Students learn how architectural ideas are converted into projects and how projects are managed during a construction project in this course. Students study construction technology topics such as preparing a site, doing earthwork, setting footings and foundations, building the superstructure, enclosing the structure, installing systems, finishing the structure and completing the site. Students also investigate topics related to the purchasing and maintenance of structures, special purpose facilities, green construction and construction careers.

Prerequisite: Construction Systems or Extensive background and permission of instructor. **2 CREDITS**

World Languages are a vital key to opening the doorways of the world for our Mt. Vernon High School students. With the increase of global trade and marketing, world language study is an asset to communication from which every student will benefit. Many adults will attest that their world language classes were also beneficial in learning English.

Three years of the same world language meets the world language requirement for the Indiana Academic Honors Diploma. While students can choose to elect two years of two languages to receive the honors diploma, they can also enroll in more than one at any given time. While studying one, the concepts of learning world language assists in learning another. Students will need to pass the requirements of one level before continuing in the sequence to the next level.

Fourth year languages are encouraged and may result in college credits given through college entrance exams or possible dual credit. For the student planning further study in any field at the college or university level, please be advised that many of their programs require two years of world language. Most students in the college classroom will have had two, three and many times four years of preparation.

110-111 SPANISH I (FULL YEAR) GRADES 9-12 (2120)

Spanish I, a course based on *Indiana's Academic Standards for World Languages*, introduces students to effective strategies for beginning Spanish language learning, and to various aspects of Spanish-speaking culture. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to conversations on familiar topics, and write short passages with guidance. This course also emphasizes the development of reading and listening comprehension skills, such as reading isolated words and phrases in a situational context and comprehending brief written or oral directions. Additionally, students will examine the practices, products and situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding Spanish language and culture outside of the classroom.

Recommended Prerequisites: A C or higher in English 2 CREDITS
Fulfills a World Language requirement for the Core 40 with Academic Honors diploma as a Directed Elective or Elective for any diploma.

112-113 SPANISH II (FULL YEAR) GRADES 10-12 (2122)

Spanish II, a course based on *Indiana's Academic Standards for World Languages*, builds upon effective strategies for Spanish language learning by encouraging the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to requests and questions in expanded contexts, participate independently in brief conversations on familiar topics, and write cohesive passages with greater independence and using appropriate formats. This course also emphasizes the development of reading and listening comprehension skills, such as using contextual clues to guess meaning and comprehending longer written or oral directions. Students will address the presentational mode by presenting prepared material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will describe the practices, products and perspectives of Spanish-speaking culture; report on basic family and social practices of the target culture; and describe contributions from the target culture. This course further emphasizes making connections across content areas and the application of understanding Spanish language and culture outside of the classroom.

Recommended Prerequisites: Spanish I (Recommend a C or higher)
Fulfills a World Language requirement for the Core 40 with Academic Honors diploma or counts as a Directed Elective or Elective for any diploma. 2 CREDITS

114-115 SPANISH III (FULL YEAR) GRADES 11-12

Spanish III, a course based on *Indiana's Academic Standards for World Languages*, builds upon effective strategies for Spanish language learning by facilitating the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed information in oral and written form; and write cohesive information with greater detail. This course also emphasizes the continued development of reading and listening comprehension skills, such as using cognates, synonyms and antonyms to derive meaning from written and oral information, as well as comprehending detailed written or oral directions. Students will address the presentational mode by presenting student-created material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will continue to develop understanding of Spanish-speaking culture through recognition of the interrelations among the practices, products and perspectives of the target culture; discussion of significant events in the target culture; and investigation of elements that shape cultural identity in the target culture. This course further emphasizes making connections across content areas as well the application of understanding Spanish language and culture outside of the classroom.

Recommended Prerequisites: Spanish I and II (recommend C or better)

Fulfills a World Language requirement for the Core 40 with Academic Honors diploma or counts as a Directed Elective or Elective for any diploma 2 CREDITS

116-117 SPANISH IV CC (FULL YEAR) GRADE 12

Spanish IV, a course based on *Indiana's Academic Standards for World Languages*, provides a context for integration of the continued development of language skills and cultural understanding with other content areas and the community beyond the classroom. The skill sets that apply to the exchange of written and oral information are expanded through emphasis on practicing speaking and listening strategies that facilitate communication, such as the use of circumlocution, guessing meaning in familiar and unfamiliar contexts, and using elements of word formation to expand vocabulary and derive meaning. Additionally, students will continue to develop understanding of Spanish-speaking culture through explaining factors that influence the practices, products, and perspectives of the target culture; reflecting on cultural practices of the target culture; and comparing systems of the target culture and the student's own culture. This course further emphasizes making connections across content areas through the design of activities and materials that integrate the target language and culture with concepts and skills from other content areas. The use and influence of the Spanish language and culture in the community beyond the classroom is explored through the identification and evaluation of resources intended for native Spanish speakers. This course is taught in Spanish, and students are required to speak Spanish only in order to enhance listening and speaking skills as well as augmenting an understanding of the Spanish language and its concepts in general.

Students may choose to take Spanish IV for dual credit through the College Achievement Program (CAP) through USI or not. The course requirements for Spanish IV and CAP are the same, however the CAP program awards college credits as stated in the CAP information providing all of the requirements are met per the CAP application.

Spanish IV Recommended Prerequisites: Spanish I, II and III (recommend an A or B average for first three years of Spanish)
Spanish 203/204 CAP Prerequisites: A or B average in the first three years of Spanish - If prior language grades do not meet this requirement, students may attempt to qualify by taking USI's foreign language placement test.

Credits: MVHS - A 2-credit course (1 credit per semester) USI - 3-12 credit course (see CAP information)

Fulfills a World Language requirement for the Core 40 with Academic Honors diploma or counts as a Directed Elective or Elective for any diploma

**130-131 GERMAN I
(FULL YEAR) GRADES 9-12 (2040)**

This course provides instruction enabling students to discuss the many reasons for learning languages and to develop understanding of the people who speak them. As the student advances, emphasis is placed on increasing fluency to speak and the ability to write. Students will be able to respond to and give oral directions, understand and use appropriate forms of address, ask and answer simple questions, read isolated words and phrases in situational context, comprehend brief written directions and information, read short narrative texts, and write familiar words and phrases in appropriate context.

Prerequisite: None **2 CREDITS**

**132-133 GERMAN II
(FULL YEAR) GRADES 10-12 (2042)**

This course enables students to participate in classroom and extracurricular activities related to German as well as participate in conversations dealing with daily activities and personal interest. More emphasis is placed on fluency to speak and the ability to write. Students will be able to ask questions regarding routine activities, participate in conversations, relate a simple narrative, interact in a variety of situations to meet personal needs, understand main ideas and facts from simple texts, read aloud with appropriate intonation and pronunciation, and write in response to given situations.

Prerequisite: German I **2 CREDITS**

**134-135 GERMAN III
(FULL YEAR) GRADES 11-12 (2044)**

This course enables students to understand and appreciate other cultures by comparing social values and behaviors of German speaking peoples. Students will be able to initiate and participate in discussions concerning these cultures. Students will be able to write paraphrases, summaries, and brief compositions and read for comprehension from a variety of materials. In addition, students will be able to respond to factual and interpretive questions, describe different aspects of the culture, read literary selections, and be able to seek help utilizing the language in a crisis situation.

Prerequisite: German I and II **2 CREDITS**

**136-137 GERMAN IV
(FULL YEAR) GRADE 12 (2046)**

This course enables students to participate in classroom and extracurricular activities related to German. These could include presentations to the student body and parent groups. Students should be willing to participate in conversations with native and advanced non-native speakers. Well-organized compositions and presentations will be expected. In addition, students will be able to respond to factual and interpretive questions, interact in complex social situations, express opinions and make judgments about what is spoken and read, and read for comprehension from a number of authentic materials such as newspapers, magazines, and novels.

Prerequisite: German I, II and III **2 CREDITS**

EVSC- VOCATIONAL PROGRAMS

Vocational programs are available to juniors and seniors. There is an application process that is required for enrollment with applications available in the Counseling Services Office. Parental permission is required, and students must enroll for a minimum of one semester. Students are responsible for the cost of textbooks, supplies and materials for the EVSC Vocational Programs. A screening committee will review applicants to determine if they will be accepted. Dual credit opportunities may be available for courses taken at the Career and Technical Center.

946-947 RADIO/TV BROADCASTING/TELECOMMUNICATION (FULL YEAR) GRADE 11-12 (5986)

Radio/TV Broadcasting/Telecommunications I and II will provide instruction to develop and enhance competencies in various communication, marketing, media, production, and technical functions and tasks performed by employees, including management personnel, in radio/TV broadcasting and telecommunications occupations. Emphasis will be placed on career opportunities, productions, programming, announcing, broadcast equipment operation, news and sports casting, broadcast regulations and laws, station organization, technical, oral/written communication, and listening skills. Instructional strategies may include a school-based enterprise, real and/or simulated occupational experiences, such as the operation of an in-school radio, television, telecommunications, or distance learning studio; job shadowing; field trips; and internships. This is a two-year, four-semester course. **3**

CREDITS PER SEMESTER

948-949 WELDING TECHNOLOGY I AND II (FULL YEAR) GRADES 11-12 (5776)

Welding Technology I and II include classroom and laboratory experiences that develop a variety of skills detailed in American Welding Society (AWS) Entry Level Guidelines and Certifications. Areas of study include electric welding and flame and plasma cutting. Instructional activities emphasize properties of metals, safety issues, blueprint reading, electrical principles, welding symbols, and mechanical drawing through projects and exercises that teach students how to weld industrial metals in four basic welding positions. Reinforcement of mathematical skills in geometry, precision measurement, and estimation will be part of the daily instruction. Understanding the principles of metallurgy, gases, and materials science is integral to this course. This is a two-year, four-semester course.

3 CREDITS PER SEMESTER

950-951 HEALTH SCIENCES EDUCATION I (FULL YEAR) GRADES 11-12 (5282)

Health Sciences I content includes a core of entry-level skills common to one specific health career such as patient nursing care, dental care, animal care, medical laboratory, and public health. Course content includes an introduction to health care systems, anatomy, physiology, and medical terminology. Also included are leadership skills developed through membership in the student youth organization, Health Occupations Students of America. During the second semester, instruction is integrated with core entry-level skills. The concept of coping with illness is also introduced. In addition, this course includes work ethics and job seeking skills such as job applications, resumes, and interviews. An in-school laboratory provides hands-on simulated experiences.

An extended laboratory experience may also be used as a method of providing clinical exposure to the actual health care work setting.

In the extended laboratory, students have the opportunity to develop basic job skills in a clinical setting. It is an extension of the in-school laboratory. The instructor and the students should move from the local school to the actual health care clinical setting for pre-planned, educational experiences, which are to be coordinated and evaluated by the school. The pre-planned activities provide an opportunity for

the students to apply the knowledge, skills, and attitudes learned in the classroom. Actual instruction and supervision, usually provided on a one-to-one basis, is given by qualified health practitioners in the clinical setting, based on pre-determined specific learning competencies. Simulated in-school laboratory experiences are also a part of this course. An extended laboratory experience may also be scheduled. The related experience is organized and planned around the activities associated with both the student's individual placement and the student's career objectives in health occupations. It is taught during the same semester that students are receiving clinical experience. Students are encouraged to participate in competitive events at both the state and national level with leadership skills developed through Health Occupations Students of America participation. This is a two semester, six credit course.

*Students earn one credit in Anatomy & Physiology, a Core 40 Science course, and two elective credits in Health Science per semester.

Prerequisite: None

3 CREDITS PER SEMESTER

954-955 HEALTH SCIENCES EDUCATION II (FULL YEAR) GRADE 12

Health Sciences II provides students the opportunity to further expand their knowledge, skills and attitudes in health care by developing competencies required for another occupation in the same or different occupational cluster, thereby becoming multi-skilled. Thus, the graduate's career options are expanded. For example, a student completing a nurse assistant course may also complete a home health care or laboratory aide course. An extended laboratory experience should be used as a method of instruction in this course. Students have the opportunity to compete in a number of competitive events at both the state and national level. Included in this course is Health Science Practicum. Health Science Practicum is a two-pronged curriculum designed to provide students with the knowledge, attitudes, and skills needed to make the transition from school to work. Varied instructional strategies and technologies are used to emphasize the course content: (1) job seeking and job maintenance skills, (2) personal management skills, (3) self analysis to aid in career selection and (4) completion of the application process for admission into a post secondary program of their choice. A second prong of the course is an extended laboratory experience designed to provide students the opportunity to assume the role of a health care provider and practice technical skills, previously learned in the classroom, at the clinical site of their choice. This is a two-semester, six credit course.

3 CREDITS PER SEMESTER

956-957 HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION (HVACR) I AND II (FULL YEAR) GRADES 11-12 (5496)

Heating, Ventilation, Air Conditioning, and Refrigeration I and II provide students with classroom and laboratory experiences concerned with heat generation, ventilation, air conditioning and cooling/refrigeration systems. Instruction emphasizes proficiency in the design, development, testing and installation of the various systems with learning experiences focused on the operation and trouble shooting of equipment, including the controls needed for residential and commercial use. Course content also includes instruction in blueprint reading, the use of technical reference manuals, the diagnosis and repair of malfunctions, and the use of hand tools and machines to fabricate sheet metal items made of steel, copper, stainless steel, and aluminum. Daily emphasis will be placed on students' abilities to calculate area, volume, airflow and resistance. Estimation and algebra skills as well as scientific principles related to gases, liquids, and other materials will be reinforced through laboratory activities. This is a two year, four-semester course.

3 CREDITS PER SEMESTER

958-959 AUTOMOTIVE COLLISION REPAIR TECHNOLOGY I AND II (FULL YEAR) GRADES 11-12 (5514)

Automotive Collision Repair Technology I and II include classroom and laboratory experiences concerned with all phases of the repair of damaged vehicle bodies and frames, including metal straightening; smoothing areas by filing, grinding, or sanding; concealment of imperfections, painting, and replacement of body components including trim. Instruction will also emphasize computerized frame diagnosis, computerized color mixing, and computerized estimation of

repair costs. Additional academic skills taught in this course include precision measurement and mathematical calibrations as well as scientific principles related to adhesive compounds, color-mixing, abrasive materials, metallurgy, and composite materials. This is a two-year, four semester course.

3 CREDITS PER SEMESTER

**960-961 BUILDING TRADES TECHNOLOGY I AND II
(FULL YEAR) GRADES 11-12 (5580)**

Building Trades Technology I and II include classroom and laboratory experiences concerned with the erection, installation, maintenance, and repair of buildings, homes and other structures using assorted materials such as wood, stone, brick, glass, concrete, or composition substances. Instruction covers a variety of activities such as cost estimating; cutting, fitting, fastening, and finishing various materials; the uses of a variety of hand and power tools; and blueprint reading and following technical specifications. Knowledge concerning the physical properties of materials should also be emphasized. Instruction in plastering, masonry, tile setting, dry wall installation, plumbing, residential wiring and roofing should be covered in the course of study. Additional areas of instruction can include operation and maintenance of heavy equipment used in the construction industry and processes used for digging, grading, clearing and excavating. Students will develop accurate and precise measuring skills and an advanced understanding of volume and area calculations as well as the advanced mathematical skills required for construction of rafters, stair stringers, and complex angles. Estimation skills will be strengthened through activities such as ordering of materials and planning construction jobs. Scientific principles will be reinforced through weightload exercise, span length determinations, and the study of relative strength. Reading skills as well as oral and written communication skills will also be emphasized to ensure students' abilities to accurately interpret instructions and provide information to customers and colleagues. This is a two-year, four-semester course.

3 CREDITS PER SEMESTER

**962-963 ELECTRICITY/ RESIDENTIAL AND INDUSTRIAL TECHNOLOGY I AND II
(FULL YEAR) GRADES 11-12 (5684)**

Electricity/Residential and Industrial Technology I and II include classroom and laboratory experiences that incorporate training in the areas of residential wiring, commercial/industrial wiring, and electric motors/controls. All instructional practices are based on the National Electric Code. Subject matter will include experiences that incorporate theory and laboratory work as it relates to planning functions, generating and transmitting electricity; and installing and maintaining electrical and communication systems, equipment and components. Instruction will emphasize application of mathematics, the sciences, circuit diagrams and blue print reading in addition to subject matter essential to preparation for employment in the electrical occupations. This is a two-year, four-semester course.

3 CREDITS PER SEMESTER

**964-965 INDUSTRIAL REPAIR, MAINTENANCE AND PLASTICS TECHNOLOGY I AND II
(FULL YEAR) GRADES 11-12 (5686) (5810)**

Industrial Repair, Maintenance, and Plastics Technology I and II include classroom and practical experiences that prepare students to apply technical knowledge and skills to repair and maintain industrial machinery and equipment. Instructional activities develop diagnostic and problem-solving skills related to electric circuits, wiring, motors, robotics, hydraulics and pneumatics. Additional areas of instruction will include plumbing, rigging, basic machining, and welding and cutting. Plastics encompasses classroom and laboratory experiences dealing with the properties and characteristics of plastics and polymers. Activities include benchmolding, fitting internal carving, and finishing plastics and fiberglass materials into products. Instruction trains students in the use of hand and power tools as well as the manufacturing processes and equipment that reflect current industry practices. This is a two-year, four-semester course.

3 CREDITS PER SEMESTER

**968-969 PRECISION MACHINE TECHNOLOGY I AND II
(FULL YEAR) GRADES 11-12 (5782)**

Precision Machine Technology I and II include a wide range of classroom and laboratory experiences that develop skills and knowledge in the shaping of metal parts. Emphasis is placed on basic precision machining operations including the use of lathes, drill presses, and grinders, in addition to mill and bench work. Instruction includes the use and care of other precision tools such as micrometers, indicators, combination squares, scales, and calipers. Advanced instruction will include preparation in the use of Computer Numerically Controlled (CNC) machines that reflect current industry practices. Application of mathematical skills and blue print reading is part of the daily experience. Technical reading and writing skills will also be emphasized. This is a two-year, four-semester course.

3 CREDITS PER SEMESTER

**970-971 CULINARY ARTS CAREERS I AND II
(FULL YEAR) GRADES 11-12 (5440)**

Culinary Arts I and II prepare students for occupations and higher education programs of study related to the entire spectrum of careers in the food industry including (but not limited to) food productions and services; food science, dietetics and nutrition; and hospitality and tourism. Instruction and intensive laboratory experiences may include commercial applications of principles of nutritious, aesthetic, and sanitary selection, purchasing, storage, preparation, and service of food and food products; using and maintaining related tools and equipment; managing operations in food service, food science, or hospitality establishments; providing for the dietary needs of persons with special requirements; related research, development, and testing. Intensive laboratory experiences with commercial application are required components of this course of study. Student laboratory experiences may be either school-based or "on-the-job" or a combination of the two. This is a two-year, four-semester course.

3 CREDITS PER SEMESTER

**972-973 PUBLIC SAFETY/LAW ENFORCEMENT/EMT/FIRE SCIENCE/HOMELAND SECURITY
(FULL YEAR) GRADE 11-12 (5820) (5822)**

This course incorporates into the curriculum fire science, law enforcement, homeland security, and emergency medical technician requirements. Students will learn the chemistry of fire, the use of various materials to fight fires and the use of fire fighting equipment. They will learn investigation techniques and methods designed to ensure community safety. This is a three-period, two-semester course.

3 CREDITS PER SEMESTER

**974-975 DIESEL SERVICE TECHNOLOGY I AND II
(FULL YEAR) GRADES 11-12 (5620)**

Diesel Service Technology I and II include classroom and laboratory experiences concerned with all phases of repair work on diesel engines used to power buses, ships, trucks, railroad trains, electrical generators, construction machinery, and similar equipment. Instruction and practice is provided in the diagnostics and repair of engines, brakes, electrical/electronic systems, suspension and steering. Students will demonstrate performance of these tasks as defined by ASE/NATEF standards. Use of technical manuals, hand and power tools and of testing and diagnostic equipment are also studied in the course. Advanced mathematical skills will be reinforced through precision measuring activities and estimation/calculation exercises. Scientific principles covered in this course include viscosity, friction, thermal expansion, and compound solutions. Written and oral communication skills will also be stressed to improve students' abilities to work with colleagues, customers, and supervisors. This is a two-year, four semester course.

3 CREDITS PER SEMESTER

**924-925 GRAPHIC COMMUNICATIONS/PRINTING/ DIGITAL MEDIA TECHNOLOGY I AND II
(FULL YEAR) GRADES 11-12 (5572)**

Graphic Communications/Printing/Digital Media Technology I and II will include organized learning experiences that focus on theory and laboratory activities in pre-press, press and finishing operations.

Emphasis will be placed on elements of design and layout leading to computerized electronic image generation, plate preparation, pressroom operations, and finishing techniques. Instructional activities will enhance students' language arts skills through the use of proofreading, spelling, and punctuation exercises. The course will include actual production processes in conjunction with classroom assignments embracing the technologies of printing, publishing, packaging, electronic imaging, and their allied industries. This course is a Core 40 directed elective as part of a technical career area. This course qualifies as an Academic Honors Diploma elective or Technical Honors Diploma elective. This is a two-year, four-semester course.

3 CREDITS PER SEMESTER

**928-929 COMPUTER NETWORK TECHNOLOGY (CISCO)
(FULL YEAR) GRADES 11-12 (5532)**

Computer Network Technology (CISCO) I and II prepare students to design, install, maintain, and manage both local and wide area networks. Activities include a combination of classroom instruction, e-learning, and laboratory practice that develops skills in network administration and configurations, problem diagnosis and troubleshooting, system control and maintenance, and upgrades. Additional areas of emphasis will include data backup and system security. Course content will prepare students to successfully complete one or more of industry certification exams in the areas of network installation and management. Extensive course work using technical manuals will reinforce reading comprehension and retention of assigned material. Written and oral exercises will be designed to enhance students' communication skills. This course is a Core 40 directed elective as part of a technical career area. This course qualifies as an Academic Honors Diploma elective or Technical Honors Diploma elective. This is a two-year, four-semester course.

3 CREDITS PER SEMESTER

**988-989 AUTO SERVICE TECHNOLOGY
(FULL YEAR) GRADES 11-12 (5510)**

Automotive Services Technology I and II include classroom and laboratory experiences that incorporate training in service and repair work on all types of automotive vehicles. Included in the course is training in the use of service/repair information and a variety of hand and power tools. Instruction and practice provides opportunities for students to diagnose malfunctions, disassemble units, perform parts inspections, and repair and replace parts.

Course content should address NATEF/ASE standards leading to certification in one or more of the following areas: steering and suspension; brakes; engine performance; manual transmissions and differential; automatic transmissions; electrical systems; air conditioning; and engine repair. Mathematical skills will be reinforced through precision measuring activities and cost estimation/calculation activities. Scientific principles taught and reinforced in this course include the study of viscosity, friction, thermal expansion, and compound solutions. Written and oral skills will also be emphasized to help students communicate with customers, colleagues, and supervisors.

NOTES: A Core 40 directed elective as part of a technical career area. This course qualifies as an Academic Honors Diploma elective or Technical Honors Diploma elective. This is a two-year, four-semester course.

3 CREDITS PER SEMESTER

SPECIAL SERVICES

The Mt. Vernon Senior High School curriculum includes well developed programs for students with learning disabilities, mild mental handicaps, and emotional handicaps. The instructional program for each student is individually designed through specialized testing by the school psychologist and in consultation with the special services staff, regular classroom teachers, counselors, school administrators and parents. The progress and placement of each student is reviewed at least once each year through an annual case review.

MT. VERNON HIGH SCHOOL FINE ARTS ACADEMY

ACADEMY DESCRIPTION

The Fine Arts Academy is comprised of award winning students and faculty in music, theatre and the visual arts. A commitment to academic excellence and the belief that through the arts, students find lifelong fulfillment is at the core of our teaching philosophy. Students are provided opportunities in instrumental and vocal music, musical theatre, acting, technical theatre and traditional and digital visual arts. Upon graduation, students will be prepared for post-secondary endeavors and arts related careers. The Fine Arts Academy provides over forty events each year to further student's skills and artistic talents.

MISSION STATEMENT

"STUDENTS ARE AS UNIQUE AS THE ART THEY CREATE"

The Fine Arts Academy at Mt. Vernon Senior High School believes a student's education is enriched by experiences in the arts; because of their interdisciplinary nature, the arts influence all areas of academic study.

We believe an environment that acknowledges and empowers creative expression in its varied forms also fosters personal growth, maturity and responsibility. The Fine Arts Academy provides an artist-scholar environment that addresses a variety of learning styles.

We believe the arts provide an opportunity for lifelong learning and participants in the arts are among the best representatives of our school and community.

INSTRUMENTAL MUSIC

840-841 ADVANCED CONCERT BAND (FULL YEAR) GRADES 9-12 (4170)

Those enrolled in band will participate in the marching and concert bands. Advanced Concert Band provides students with a comprehensive study of music through concert band repertoire. This repertoire develops skills in psychomotor, cognitive and affective domains. Course work is designed to enable students to connect, examine, imagine, define, try, extend, refine and integrate music study into other subject areas. Ensemble and individual activities are designed to develop elements of musicianship including, but not limited to: tone production, technical skills, intonation, sight reading skills, listening skills, analyzing music and studying a wide variety of styles of literature. Experiences include, but are not limited to sight reading, playing by ear, clapping and counting and performance. Students must perform a wide variety of repertoire: large ensemble, chamber ensembles and solo with expression and technical accuracy. Evaluation of music and performance is provided through adjudicated and non-adjudicated performance venues. Band is a co-curricular activity and as such requires time outside the normal school day.

Prerequisite: Some instrumental music education in junior high or private study on a traditional band instrument. **2 CREDITS**

842-843 JAZZ ENSEMBLE (FULL YEAR) GRADES 9-12 (4164)

Students taking the course will develop musicianship and idiom specific performance abilities through group and individual study, as well as performance of a variety of instrumental jazz music. The course will include history, formative and stylistic elements of jazz. These skills will be developed through improvisation, arranging, listening, analyzing and performance. Course work is designed to enable students to connect, examine, imagine, define, try, extend, refine and integrate music study into other subject areas. Students will have the opportunities to experience live performances outside of class time. A number of public performances will serve as a culmination of daily rehearsal and study. Students must participate in performance opportunities outside the school day that will support and extend classroom learning.

Prerequisite: Must have experience on the following instruments: saxophone, trumpet, trombone, guitar, bass or percussion. This is an auditioned ensemble. **2 CREDITS**

867-868 INSTRUMENTAL ENSEMBLE - PERCUSSION ONLY (FULL YEAR) GRADES 9-12 (4162)

This course will provide an extensive study of the percussion family of instruments as well as percussion chamber music. Members of the instrumental ensemble class will learn the music for the Advanced Concert Band as well as how to properly play all of the percussion instruments. We will focus on rudiments, note reading, pitch identification and proper playing techniques. Students will be required to attend all after school rehearsals and performances. Students will also be required to perform a solo on

either a mallet instrument or battery percussion instrument at the ISSMA Solo and Ensemble Contest.

Prerequisite: Students must have had a minimum of three years of instruction in band or private lessons. This class is for percussionists ONLY and director approval is required. **2 CREDITS**

865-866 APPLIED MUSIC (LAB) (FULL YEAR) GRADES 9-12 (4200)

Students will participate individually and in small groups as they work to develop growth in the skills of psychomotor, cognitive and affective domains. Instruction is designed to enable students to connect, examine, imagine, define, try, extend, refine and integrate music study into other subject areas. Ensemble and individual activities are designed to develop elements of musicianship including, but not limited to: tone production, technical skills, sight reading skills, listening skills, analyzing music and studying a wide variety of styles of music. Students should participate in performance opportunities outside the school day that will support and extend classroom learning. Students will only be allowed to register for this course for one year without special permission.

Prerequisite: Director approval is required

2 CREDITS

882 MUSIC THEORY AND COMPOSITION (SEMESTER) GRADES 10-12 (4208)

Music Theory offers students experiences in part-writing, analysis, and the development of aural skills. The study of "common practice" harmony and melodic construction is supplemented by study of theory as applied to popular music. Some prior experience in music is recommended. This course will be offered on a two-year rotation with Applied Music.

Prerequisite: Previous music study is required.

1 CREDIT

884 MUSIC HISTORY AND APPRECIATION (SEMESTER) GRADES 10-12 (4206)

Music Appreciation affords students an opportunity to explore music through listening and the study of music history. Music to be surveyed will include baroque, classic, romantic and twentieth century. Additionally, music of American composers will be featured. Some prior experience with music is recommended but not required. This course will be offered on a two-year rotation with Applied Music.

Prerequisite: Previous music study is beneficial.

1 CREDIT

TECHNICAL THEATRE

845-846 TECHNICAL THEATRE (FULL YEAR) GRADES 9-12 (4244)

Technical Theatre is a broad-based course designed to give students an overall view of the various elements of the craft. Students will attain an understanding of the technical aspects of theatrical production through "hands-on" experience. Areas to be studied include lighting design and execution, scenic design and execution, set construction techniques, scenic painting, rigging, stage make-up, costuming, sound reinforcement, stage and house management, advertising and script analysis. Students will also gain an understanding of the interdisciplinary aspects of technical theatre as regards language arts, mathematics, social studies, science and various technologies. Additionally, students will gain an understanding of career opportunities within theatre and entertainment technology and further their understanding of the importance of audience development and the role of community support in theater. Students will participate on class crews and will be encouraged to participate in extracurricular school productions.

NOTE: Two hours of lab time per 9 weeks is required in addition to regular class time.

Prerequisite: None

2 CREDITS

847-848 ADVANCED TECHNICAL THEATRE (FULL YEAR) GRADES 10-12 (4252)

Advanced Technical Theatre is a continuation of Technical Theatre.

Students participating in the course will further their understanding of costuming, makeup, scenic design, lighting and sound design and execution, stage and house management, advertising, script analysis and will complete a comprehensive, individual design project each semester. Students will participate on class crews and are encouraged to participate in extracurricular school productions. Students will also comprise the production staff and crew for the MVHS Performing Arts Center and will assume leadership roles within technical theatre including the mentoring of Beginning Technical Theatre students.

Students will also gain an understanding of the interdisciplinary aspects of technical theatre as regards language arts, mathematics, social studies, science and various technologies. Additionally, students will gain an understanding of career opportunities within theatre and entertainment technology and further their understanding of the importance of audience development and the role of community support in theatre. Students will participate on class crews and will be encouraged to participate in extracurricular school productions.

NOTE: Two hours of lab time per 9 weeks is required in addition to regular class time.

Prerequisite: A minimum of a "C" average in Beginning Technical Theatre, and maintenance of a "C" average in Advanced Technical Theatre for continuing in the class for successive semesters.

2 CREDITS

VOCAL MUSIC

860 BEGINNING CHORUS (FALL SEMESTER) GRADES 9-12 (4182)

Students taking Beginning Chorus develop musicianship and specific performance skills through ensemble and solo singing. The chorus may be composed of (1) male chorus, (2) female chorus, (3) mixed chorus, or any combination thereof. Activities in this class create the development of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Instruction is designed so that students are enabled to connect, examine, imagine, define, try, extend, refine and integrate music study into other subject areas. Chorus classes provide instruction on creating, performing, conducting, listening to, and analyzing, in addition to focusing on the specific subject matter. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students have the opportunity to experience live performances by professionals during and outside of the school day. A limited amount of time outside of the school day may be scheduled for dress rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and music goals. Specific classroom activities include vocal production techniques, music theory and sight-reading.

Students must participate in performance opportunities, outside of the schoolday, that support and extend the learning in the classroom.

Prerequisite: None

1 CREDIT

850-851 ADVANCED CHORUS (FULL YEAR) GRADES 9-12 (4188)

Students taking Advanced Chorus develop musicianship and specific performance skills through ensemble and solo singing. The chorus may be composed of (1) male chorus, (2) female chorus, (3) mixed chorus or any combination thereof. Activities create the development of a quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Instruction is designed to enable students to connect, examine, imagine, define, try, extend, refine, and integrate music study into other subject areas. Chorus classes provide instruction in creating, performing, conducting, listening to, and analyzing, in addition to focusing on the specific subject matter. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students have the opportunity to experience live performances by professionals during and outside of the school day. A limited amount of time, outside of the school day, may be scheduled for dress rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and music goals. Students must participate in performance opportunities outside of the school day that support and extend the learning in the classroom. The choral repertoire must be of the highest caliber. Mastery of basic choral technique must be evident. Areas of refinement include a cappella singing, sight-reading, and critical listening skills.

Prerequisite: Beginning Chorus and/or instructor approval.

2 CREDITS

870-871 CHORAL CHAMBER ENSEMBLE (FULL YEAR) GRADES 9-12 (4180)

Student musicianship and specific performance skills in this course are enhanced through specialized small group instruction. The activities expand the repertoire of a specific genre. Chamber ensemble classes provide instruction in creating, performing, listening to, and analyzing music in addition to focusing on specific subject matter. Instruction is designed to enable students to connect, examine, imagine, define, try, extend, refine, and integrate music study into other subject areas. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students have the opportunity to experience live performances by professionals during and outside of the school day. A limited amount of time outside of the school day may be scheduled for dress rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and music goals. Class activities will also include sight reading and music theory. Students must participate in performance opportunities outside of the school day that support and extend the learning in the classroom.

Prerequisite: Students must audition.

2 CREDITS

844 MUSICAL THEATRE (SPRING SEMESTER) GRADES 9-12 (0520)

Musical Theatre students will examine the history and form of musical theatre through the performance and study of the history of musical theatre and its place in today's society. Students will participate in staging, choreographing, rehearsing and performing an original or existing musical work. The class will incorporate elements of theatre history, culture, analysis, response, creative process and integrated studies. Additionally, students explore career opportunities in theatre, attend and critique theatrical productions, and recognize the responsibilities and the importance of individual theatre patrons in their community.

Prerequisite: Audition and teacher approval required.

1 CREDIT

THEATRE ARTS

885 THEATRE ARTS I (SEMESTER) GRADES 9-12 (4242)

Theatre Arts I combines the history of theatre, the study of styles of world drama, the reading of famous plays, and all aspects of drama production (design of set, costuming, stage terms, makeup, lighting, acting, and direction.) Spelling and vocabulary assignments will be given weekly. Students may take this class more than once, but they will be expected to complete additional work for credit.

Prerequisite: An interest in drama and theatre **1 CREDIT**

886 THEATRE ARTS II (SEMESTER) GRADES 9-12 (4242)

Students in Theatre Arts II will create, perform, analyze, and critique dramatic performances. Since the focus is on production, students will be involved in the preparation, rehearsal and performance of plays in the classroom. Students will put the concepts learned in Theatre Arts I into action by participation in advanced theatre production. Materials will consist of one-act or short plays. Theatre Arts II productions may be performed for the student body and the community in convocations and/or evenings, when time and scheduling permit.

Prerequisite: Students must have successfully completed Theatre Arts I earning a grade of "C" or higher. **1 CREDIT**

028 MASS MEDIA (SEMESTER) GRADES 9-12 (1084)

Mass Media provides a study of television and film as sources of information, persuasion, and creative expression. This course helps students develop an awareness of audience and purpose in evaluating mass media, as well as in producing media productions. This course introduces students to many of the skills that are needed to produce a successful television program. Students have a chance to produce several projects on their own as well as producing the morning announcements. Vocabulary, equipment usage, and onscreen presentation are emphasized.

Prerequisite: Strong interest; application necessary. Students who take the course for successive semesters must have successfully completed Mass Media earning a grade of "C" or above and have instructor approval.

1 CREDIT

VISUAL ARTS

800 INTRODUCTION TO TWO-DIMENSIONAL ART (SEMESTER) GRADES 9-12(4000)

This course is one of the foundation courses of the Visual Art Program at the high school. All students who have an interest in the visual arts begin with this course. The course builds upon the visual art knowledge, skills, experience, and values developed in junior high art courses and extends those to prepare the students for advanced high school art courses, career opportunities, post-secondary academic endeavors, and lifetime activities. The course concentrates on the basic elements and principles of design, drawing, illustration, and associated art history. This course is intended to be followed by Advanced Two-Dimensional Art I during the same year. This course will fulfill the Core 40 and AHD requirement.

Prerequisite: None **1 CREDIT**

801 ADVANCED TWO-DIMENSIONAL ART I (SEMESTER) GRADES 9-12 (4004)

This course is one of the foundation courses of the Visual Art Program at the high school. All students who have an interest in the visual arts continue with this course. The course builds upon the visual art knowledge, skills, experience, and values developed in the junior high art courses and the Introduction to Two-Dimensional Art course and extends those to prepare the students for further advanced high school art courses, career opportunities, post-secondary academic endeavors, and lifetime activities. The course concentrates on the basic elements and principles of design, painting, printmaking and associated art history. This course is intended to follow Introduction to Two-Dimensional Art during the same year. This course will fulfill the Core 40 and AHD requirement.

Prerequisite: Introduction to Two-Dimensional Art **1 CREDIT**

802 ADVANCED TWO-DIMENSIONAL ART II (SEMESTER) GRADES 10-12 (4004)

This course is a traditional/studio course that builds upon the Introduction to Two-Dimensional Art course and prepares the student for the Drawing I and II courses. The course includes advanced concepts of the elements and principles of design, life drawing, human figure drawing, color pencil drawing, history of surrealism, still life illustration, advanced inking techniques, advanced aesthetics, and the history of women artists.

Prerequisite: Introduction to Two-Dimensional Art and Advanced Two-Dimensional Art I **1 CREDIT**

803 ADVANCED TWO-DIMENSIONAL ART III (SEMESTER) GRADES 10-12 (4004)

This course is a traditional/studio course that builds upon the Introduction to Two-Dimensional Art course and Advanced Two-Dimensional Art I and II and prepares the student for the Painting I and II courses. The course includes advanced concepts of the elements and principles of design, advanced watercolors, acrylic still life painting, landscape oil painting, intaglio printmaking, advanced critique, composition, and the history of the Baroque, Rococo, and Romantic art periods.

Prerequisite: Introduction to Two-Dimensional Art and Advanced Two-Dimensional Art I and II. **1 CREDIT**

824 INTRODUCTION TO THREE-DIMENSIONAL ART (SEMESTER) GRADES 11-12 (4002)

This course is a second step in the traditional/studio progression of the Visual Art program at the high school. The course builds the visual art knowledge, skills, experience, and values developed in the previous courses and extends those to prepare the students for further advanced high school art courses, vocational opportunities, post-secondary academic endeavors, and lifetime activities. The course concentrates on advanced concepts of basic elements and principles of design, further exploration of art history, advanced aesthetics, and a wide variety of advanced, traditional/studio modes and methods all as related to three dimensional art. The students will develop projects in a variety of media such as assemblage, modeling, carving and ceramics.

Prerequisite: Introduction to Two Dimensional Art and Advanced Two Dimensional Art **1 CREDIT**

825 ADVANCED THREE-DIMENSIONAL ART (SEMESTER) GRADES 11-12 (4006)

This course is an advanced step in the traditional/studio progression of the Visual Art Program at the high school. This course builds upon the visual art knowledge, skills, experience, and values developed in the Introduction to Three Dimensional Art course and extends that to prepare the student for further advanced courses, vocational opportunities and post-secondary academic endeavors. The course concentrates on advanced elements and principles of three dimensional design, written research and presentation of a master sculptor, related aesthetics, advanced ceramic production techniques, basic wood carving, basic stone carving, and modern three dimensional construction. The students will develop projects such as large, complex ceramics, carvings, and a student initiated project.

Prerequisite: Introduction To, Advanced Two Dimensional Art and Introduction to Three Dimensional Art **1 CREDIT**

824 DIGITAL DESIGN, I (SEMESTER) GRADES 9-12 (4082)

This course is the first step in the Digital/Applied/Vocational progression of the Visual Art Program at the high school. Students who are considering a career in visual communications are encouraged to take this course. The course introduces visual art knowledge, skills, experience, and values and extends those to prepare the student for further high school advanced courses, vocational opportunities, and post-secondary academic endeavors related to computer graphics. The course concentrates on the elements and principles of design, history, aesthetic, and modern digital design. The students will utilize bitmap and object-oriented softwares, the PC computer, scanner, laser printer, and color printer.

Prerequisite: None **1 CREDIT**

827 DIGITAL DESIGN II

(SEMESTER) GRADES 9-12 (4082)

This course is the next step in the Digital/Applied/Vocational progression of the Visual Art Program at the high school. Students who are considering a career in visual communications are encouraged to take this course. The course builds upon the visual art knowledge, skills, experiences and values developed in the Digital Design I courses and extends those to prepare the student for further high school advanced courses, vocational opportunities, and post-secondary academic endeavors related to digital three dimensional modeling and animation. The course concentrates on the elements and principles of design, history, aesthetic, and modern digital design. The students will utilize three dimensional, modeling, and animation software, the PC computer, video recorder and color printer.

Prerequisite: Digital Design I **1 CREDIT**

837 PHOTOGRAPHY I

(SEMESTER) GRADES 10-12 (4062)

This course is an advanced step in the Digital/Applied/Vocational progression of the Visual Art Program at the high school. This course builds upon the visual art knowledge, skills, experience, and values developed in the Digital Design courses and extends those to prepare the students for vocational opportunities and post-secondary academic endeavors related to design optics. The course concentrates on digital still photography, related concepts of the elements and principles of design, history of photography, advanced aesthetics, and digital photo enhancements. The students will utilize the digital camera, computers, bitmap/raster software, digital printers, scanners, and mounting materials. Students are required to supply a digital camera (4 megapixels or above) and a CD/flash drive. This course will be offered every other year.

Prerequisite: Digital Design I and II **1 CREDIT**

838 PHOTOGRAPHY II

(SEMESTER) GRADES 10-12 (4062)

This course is an advanced step in the Digital/Applied/Vocational progression of the Visual Art Program at the high school. This course builds upon the visual art knowledge, skills, experience, and values developed in the Digital Design Courses and Photography I and extends those to prepare the students for vocational opportunities and post-secondary academic endeavors related to design optics. The course concentrates on special effects and color photography, videography, television production, motion pictures, digital manipulations, related concepts of the elements and principles of design, history of film, advanced aesthetics, and digital video editing. The students will utilize the digital camera, mounting materials, computers, photo-manipulation software, video camera, and digital video editing hardware and software. Students are required to supply a digital camera (4 megapixels or above), a CD/flash drive, and a DVD or video tape. This course will be offered every other year.

Prerequisite: Digital Design I, II and Photography **1 CREDIT**

832 DRAWING I

(SEMESTER) GRADES 11-12 (4060)

This course is a third step in the traditional/studio progression of the Visual Art Program at the high school. The course builds upon the knowledge, skills, experience, and values related to drawing developed in the previous courses and extends those to prepare the students for further advanced high school art courses, career opportunities, post-secondary academic endeavors, and lifetime activities. The course concentrates on advanced concepts of basic elements and principles of design, further exploration of art history related to drawing, advanced aesthetics, and a wide variety of advanced/studio modes and methods related to drawing media such as drawing pencils, color pencils, pastels, charcoal, and conte crayons. Students will develop projects such as drawings from life, sketchbooks of master artists, research writing related to master artists, and works inspired by those artists. Students will also be encouraged to develop projects through self inquiry and personal style.

Prerequisite: Introduction to Two Dimensional Art and Advanced Two Dimensional Art I, II, and III **1 CREDIT**

833 DRAWING II

(SEMESTER) GRADES 11-12 (4060)

This course is an advanced step in the traditional/studio progression of the Visual Art Program at the high school. This course builds upon the knowledge, skill, experience, and values related to drawing developed in the previous courses and extends those to prepare the student for more advanced high school art courses, career opportunities, post-secondary academic endeavors, and lifetime activities. The course concentrates on advanced concepts of the elements and principles of design, further exploration of art history related to drawing, advanced aesthetics, and a wide variety of advanced/studio modes and methods related to drawing media such as inks, washes and scratchboard. Students will develop projects such as illustration, human figure drawing, character development, and works inspired by master illustrators. Students will also be encouraged to develop projects through self inquiry.

Prerequisite: Advanced Two Dimensional Art II and III and Drawing I **1 CREDIT**

810 PAINTING I

(SEMESTER) GRADES 11-12 (4064)

This course is a third step in the traditional/studio progression of the Visual Art Program at the high school. The course builds upon the knowledge, skills, experience, and values related to painting developed in the previous courses and extends those to prepare the students for more advanced high school art courses, career opportunities, post-secondary academic endeavors, and lifetime activities. The course concentrates on advanced concepts of the elements and principles of design, exploration of art history of 'en plein air' and still life painting, advanced color theory, advanced painting techniques, advanced aesthetics, written research related to history, sketchbook creation, and a wide variety of advanced/studio modes and methods related to painting media such as oils, watercolor, and batik. Students will develop projects such

as 'en plein air', still life inspired by the style of a master painter, and fabric design. Students will also be encouraged to develop projects through self inquiry. **Prerequisite:** Introduction to Two Dimensional Art and Advanced Two Dimensional Art I, II, III **1 CREDIT**

811 PAINTING II

(SEMESTER) GRADES 11-12 (4064)

This course is an advanced step in the traditional/studio progression of the Visual Arts Program at the high school. This course builds upon the knowledge, skills, experience, and values related to painting developed in the previous courses and extends those to prepare the student for more advanced high school art courses, career opportunities, post-secondary academic endeavors, and lifetime activities. The course concentrates on advanced concepts of the elements and principles of design, the exploration of the contrast between realistic and traditional master painters, advanced color theory, advanced painting techniques, advanced aesthetics, written research related to history, sketchbook creation, and a wide variety of advanced/studio modes and methods related to painting media such as oils, acrylics, and mixed media. Students will develop projects such as an expressive self portraiture, nontraditional mixed media painting inspired by the style of a master modern painter, and canvas construction. Students will also be encouraged to develop projects through self inquiry.

Prerequisite: Advanced Two Dimensional Art II and III and Painting I **1 CREDIT**

814 VISUAL COMMUNICATION I

(SEMESTER) GRADES 10-12 (4086)

This course is an advanced step in the Digital/Applied/Vocational progression of the Visual Art Program at the high school. The course builds the visual art knowledge, skills, experience, and values developed in the Digital Design courses and extends those to prepare the students for vocational opportunities and post-secondary academic endeavors related to commercial design in printing careers. The course concentrates on visual digital print productions, related concepts of the elements and principles of design, history of design in print, history of advertising, business graphics, aesthetics, and modern commercial design printing production. The students will utilize bitmap, object-oriented, and page layout software for projects associated with commercial print design. Students are required to supply a digital camera (4 megapixels or above) and a CD/flash drive. This course will be offered every other year.

Prerequisite: Digital Design I and II **1 CREDIT**

**815 VISUAL COMMUNICATION II
(SEMESTER) GRADES 10-12 (4086)**

This course is an advanced step in the Digital/Applied/Vocational progression of the Visual Art Program at the high school. The course builds the visual art knowledge, skills, experience, and values developed in the Digital Design courses and Visual Communication I and extends those to prepare the student for vocational opportunities and post-secondary academic endeavors related to commercial television, animation, simulations, and web design. The course concentrates on visual digital and video productions, related concepts of the elements and principles of design, history of design in television, video, and the web. The student will utilize three dimensional, modeling, animation, editing, and web development software and technologies for projects associated with television, video, and web visual design. Students are required to supply a digital camera (4 megapixels or above) and a CD/flash drive. This course will be offered every other year.

Prerequisite: Digital Design I and II, and Visual Communication

1 CREDIT

**830-831 STUDIO ART (2-D DESIGN PORTFOLIO),
ADVANCED PLACEMENT (4050)
(FULL YEAR) GRADE 12**

This course is a final step in the progression of the Visual Art Program at the high school. This course is for senior honor students who have shown a great deal of success and motivation throughout the visual art courses and who are planning on majoring in some area of the visual arts at a post-secondary educational institution following graduation. The course builds the visual art knowledge, skills, experience and values developed in the previous courses and extends those to prepare the students for portfolio development, scholarship competitions, and post-secondary art programs. The students will develop projects related to building their portfolio related to career aspirations.

Prerequisite: Instructor approval

2 CREDITS