



Dear Parents and Students:

This is the time when you select courses for the 2018-2019 school year. Please sit down together and examine this course description booklet carefully. The classes you take will include those required for graduation from Indianola High School and those that meet your post-secondary plans. The required classes will provide students with a well-rounded educational background in a variety of subject areas. There is enough flexibility through elective courses to allow students to explore several areas of interest. Employment entrance level skill preparation is also possible in several courses offered.

The high school educational experience should be based on your individual goals, strengths, and weaknesses, not those of your friends or other individuals. It is important to personally evaluate these items when considering your future plans. Upon considering your future plans, make high school choices that not only prepare you for a specific college major or career, but also for other post-secondary interests.

Students who plan to go through the NCAA Clearinghouse need to be aware of the eligibility requirements. It is important to register for the courses the NCAA approves. Each course description indicates approval or non-approval as given by the NCAA.

We hope that you enjoy your high school career!

Indianola High School Staff and Administration

NOTICE OF NONDISCRIMINATION

Students, parents, employees and others doing business with or performing services for the Indianola Community School District are hereby notified that this school district does not discriminate on the basis of age (except students), race, color, religion, national origin, sex, disability, sexual orientation, gender identity, socioeconomic status, creed or marital status in admission or access to, or treatment in, its programs and activities. The school district does not discriminate on the basis of age (except students), race, color, religion, national origin, sex, disability, sexual orientation, gender identity, socioeconomic status, creed or marital status in admission or access to, or treatment in, its hiring and employment practices. Any person having inquiries concerning the school district's compliance with the regulations implementing Title VI, Title VII, Title IX, the Americans with Disabilities Act (ADA), § 504 or Iowa Code § 280.3 is directed to contact:

504 Coordinator
Indianola Community School District
1304 East 2nd Avenue
Indianola, IA 50125
(515) 961-9500

who has been designated by the school district to coordinate the school district's efforts to comply with the regulations implementing Title VI, Title VII, Title IX, the ADA, § 504 and Iowa Code 280.3 (2007).

Table of Contents

Course Selection	5	Social Studies	35
Indianola High School Scheduling Guidelines	5	Social Studies Course Flow Chart	36
Enrollment	6	Social Studies Course Narrative	37
Concurrent Enrollment Courses	6	United States History 9	38
Post Secondary Enrollment/Senior Year Plus	7	Advanced Placement United States History	38
Requirements for High School Graduation	8	Modern World History	38
Definition of Terms	9	Advanced Placement World History	39
Senior Year Plus	10	Advanced Placement European History	39
High School Requirements for		United States Government	40
State Universities	11	Advanced Placement United States Government	40
How to Calculate a Student's Admission Score	12	Economics	40
NCAA Division I Academic Requirements	13	Sociology	41
NCAA Division II Academic Requirements	14	Psychology I	41
NCAA Recruiting Rules	15	Psychology II	41
NCAA Information	16	Advanced Placement Psychology	42
NAIA Eligibility	17		
EPIC Learning Program	18	Mathematics	43
		Math Course Flow Chart	44
Language Arts	19	Math Course Narrative	45
Language Arts Course Flow Chart	20	Pre-Algebra I	46
English 9	21	Pre-Algebra II	46
Advanced English 9	21	Algebra I Essentials	46
English 10	21	Algebra I	47
Advanced English 10	22	General Math A	47
English 11/12 Part I	22	General Math B	47
English 11/12 Part II	23	Applied Mathematics I/DMACC	48
American Literature	23	Applied Mathematics II/DMACC	48
Survey of Literature	24	Geometry	49
Composition	24	Advanced Geometry	49
Creative Writing	24	Algebra II	49
AP Language and Composition/DMACC	25	Advanced Algebra II	49
AP Literature and Composition/DMACC	25	College Algebra/DMACC	50
Publications	26	Statistics/DMACC	50
News Staff	26	Finite Math/DMACC	51
Yearbook I	26	Trigonometry/Pre-Calculus	51
Yearbook II	26	Advanced Placement Calculus AB/DMACC	52
Yearbook III	27	Advanced Placement Calculus BC/DMACC	52
Oral Communication	27		
Introduction to Theatre	27	Science	53
Acting	27	Science Course Flow Chart	54
Video Production	28	Science Course Narrative	55
Studio I Staff	28	Science 9	56
		Advanced Science 9	56
		Biology	56
		Advanced Biology	57
World Languages	29	Physical Science	57
World Language Course Flow Chart	30	Chemistry	57
French I	31	Advanced Chemistry	58
French II	31	Advanced Placement Biology/DMACC	58
French III/DMACC	31	Advanced Placement Chemistry	59
French IV/DMACC	32	Physics	59
German I	32	Anatomy & Physiology	59
German II	32	DMACC Anatomy & Physiology	60
German III	33	Comparative Anatomy	60
German IV	33	Forensic Science	61
Spanish I	33	Animal Science	61
Spanish II	33	Horticulture	61
Spanish III	34		
Spanish IV/DMACC	34	Elective Courses	62
		Elective Course Flow Chart	63
		Intro to Engineering Design/DMACC	64
		Principles of Engineering/DMACC	64
		Computer Science and Software Engineering	65
		Aerospace Engineering	65

Fine Arts - Music	66
Fine Arts - Music Course Flow Chart.....	67
Choir 9 - Bass Choir	68
Choir 9 - Treble Choir.....	68
Choir 10 - Choraliars.....	68
Concert Choir 11-12	69
A Cappella Choir.....	69
Band 9-12	70
Color Guard	70
Orchestra	70
Music Theory I/DMACC.....	70
Music Theory II/DMACC	71
Music History Appreciation/DMACC	72

Fine Arts - Visual	73
Fine Arts - Visual Course Flow Chart	74
Art I.....	75
Drawing.....	75
Advanced Drawing.....	75
Painting.....	76
Advanced Painting.....	76
Ceramics.....	76
Advanced Ceramics.....	77
Sculpture.....	77
Advanced Sculpture.....	77
Graphic Design	78
Digital Imaging	78
Photography	78

Computer & Business Education	79
Computer & Business Course Flow Chart.....	80
Business Technology Basics	81
Business Technology.....	81
Microsoft Office Applications/DMACC	81
Accounting I.....	82
Accounting II.....	82
Accounting III	83
Personal and Business Law	83
Personal Finance.....	83
Introduction to Marketing	84
Applied Marketing	84

Family & Consumer Science	85
Family & Consumer Science Course Flow Chart	86
Foods I.....	87
Foods II.....	87
Child Care I.....	87
Child Care II.....	87

Industrial Technology	88
Industrial Technology Course Flow Chart.....	89
Fundamentals in Drafting/DMACC	90
Applications in Drafting/DMACC.....	90
Architectural Drafting I.....	90
Architectural Drafting II/DMACC	91
Construction Tools and Materials	91
Construction Techniques I.....	91
Construction Techniques II.....	92

Agriculture Education	93
------------------------------------	----

Agriculture Course Flow Chart.....	94
Intro to AFNR	95
Animal Science	95
Advanced Animal Science/DMACC	95
Natural Resources	96
Horticulture.....	96
Biotechnology in Agriculture	96
Agricultural Business	96
Agricultural Leadership	97
Principles of Crop Production/DMACC	97
FFA	97
SAE.....	97

Health & Physical Education	98
Health I.....	99
Health II.....	99
Individual/Personal Fitness	99
Individual/Dual Recreation Activities.....	100
Team Games/Activities & Sports	100
Total Body Fitness & Conditioning-Beginner	100
Total Body Fitness & Conditioning-Advanced.....	101
Peer Physical Education	101
Summer Physical Education	101

DMACC Southridge Career Academy	102
Auto Collision/DMACC	103
Automotive Mechanics Technology/DMACC	103
Ag Business/DMACC.....	104
Welding/DMACC.....	104
Criminal Justice/DMACC	104
Health Occupations/DMACC	104
Business and Marketing/DMACC	105
Computer Science Programming/DMACC.....	105
Teacher Academy/DMACC.....	105

Guidance	106
Sprint-In-Depth, Independent Study	107
ODYSSEWARE	107
Senior Year Plus	107
Service Learning	107

Special Needs	108
Special Needs Courses Level 1 & 2	109
Special Needs Courses Level 3.....	110
Peer Physical Education	111
English 9 Basics.....	111
English 10 Basics.....	111
English 11 Basics.....	111
English 12 Basics.....	112
Physical Science Basics	112
Direct Instruction Skills.....	112
Second Chance Reading	112
United States History Basics.....	113
Modern World History Basics.....	113
Government Basics.....	113
Economics Basics	113
General Math Basics.....	114
Consumer Math Basics.....	114
Tech Math Basics	114
Skills Credit.....	114
Life Skills.....	115
Human Relations	115

Index	116 & 117
--------------------	-----------

Course Selection

High school requirements are set to provide students with a well-rounded educational background in a variety of subject areas. Students will have enough flexibility through elective courses to be able to explore several areas of interest. Employment entrance level skills preparation is also possible in several of the vocational courses offered.

It is important that students maintain enough flexibility in course choices so they are not only prepared for a specific college major or career, but also for other post-secondary interests. These options include entering the job market immediately, entering the military, attending an appropriate vocational or technical school, or attending a 2 or 4 year college. By successfully completing Indianola High School graduation requirements and meeting grade and entrance test requirements, any student could conceivably enter a post-secondary education program. It is essential that a student maintain a good achievement level and attendance record for this to be accomplished.

REMEMBER:

1. Consider course selections carefully and discuss them with your parents, counselors, and/or appropriate teachers.
2. Requirements for graduation are set to help you experience a variety of subject areas in hopes of improving your basic skills, and helping you discover your interests and areas of ability.
3. Elective courses allow you to experience new areas or to concentrate on a particular curricular area.

Indianola High School Scheduling Guidelines

Schedule changes **will be** made for the following reasons:

1. Office error
2. Change in career plan
3. Failed classes need to be scheduled

Schedule changes **will not** be made for the following reasons:

1. Student wants a different lunch period
2. To arrange "opens"
3. To be with friends
4. To change teachers (unless principal approved)

Students wishing to drop a college entrance required course must bring a note from their parent/guardian or have contact with the counselor. Students will be expected to pick up a drop/add form and get the appropriate teachers' signatures. Drop/add forms must be turned into the counselor within 3 days.

Students who have failed a required course or are likely to fail a required course are responsible for contacting their counselor. This needs to be done prior to the end of the semester to schedule a time to retake the course for the student. It is primarily the student's responsibility to keep track of his/her own required courses, grades, and credits.

**Student schedule changes are to be made only by
the guidance office or a building principal.**

Enrollment

Students are encouraged to maximize the productivity of their time during the school day. Students are required to enroll in a minimum of six (6) academic classes each semester. **Schedule changes can be made prior to the start of the second week of the first semester and prior to Winter Break for the second semester.** After that time, changes are made only if the change is deemed necessary by one of the building principals, counselor, or teacher. Parents may be asked to send a permission slip for students dropping yearlong classes after completing only one semester. A student may be changed from one section to another at the discretion of the building principals. This will only be done to accommodate class size, or to allow a student to be in a section where he/she can be more successful.

Concurrent Enrollment Courses

Students in grades 9-12 have the opportunity to take classes on our campus for Des Moines Area Community College credit at no cost to the student or his/her family. If a student is interested in this option they need to see their guidance counselor. **The DMACC courses do not have weighted grades.** Students taking these classes will have a separate college transcript generated by DMACC. **Students taking concurrent enrollment courses must take the course for college credit. Students taking a DMACC Math course for concurrent enrollment credit will need to meet the required score of 30% on the ALEKS Assessment to enroll in the course. Students who have earned a C- or higher in a pre-requisite DMACC math course within the previous 18 months from the date of enrollment will be exempt. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

Post-Secondary Enrollment Option/Senior Year Plus

The program allows 11th and 12th grade students as well as 9th and 10th grade students identified as talented and gifted by their local district to enroll in college courses. Students may receive credits that count toward the graduation requirements set out by the board for courses successfully completed in post-secondary educational institutions. High school students may attend a post-secondary educational institution during the summer months when school is not in session if the student pays for the courses. Successful completion of the course is determined by the post-secondary educational institution. Upon successful completion of these summer courses, the students may receive credit toward the graduation requirements set out by the board at the discretion of the principal. The following factors are considered in the determination of whether a student will receive credit toward the graduation requirements set out by the board for a course at a post-secondary educational institution:

- the course is taken from a public or accredited private post-secondary educational institution;
- a comparable course is not offered in the school district. A comparable course is one in which the subject matter or the purposes and objectives of the course are similar, in the judgment of the board, to a course offered in the school district;
- the course is in the discipline areas of mathematics, science, social sciences, humanities, career tech education, or a course offered in the community college career options program;
- the course is a credit-bearing course that leads to a degree;
- the course is not religious or sectarian; and
- the course meets any other requirements set out by the board.

Students who take post-secondary educational courses are responsible for transportation without reimbursement to and from the location where the course is being offered. The Indianola Community School District is responsible for the cost of up to \$250 per approved post-secondary enrollment course students take during the school year. Students who take courses during the summer months when school is not in session are responsible for the costs of attendance for the courses. The superintendent is responsible for annually notifying students and parents of the opportunity to take courses at post-secondary educational institutions in accordance with this policy. The superintendent will also be responsible for developing the appropriate forms and procedures for implementing this policy.

ref. School Board Policy 604.7

Mandatory Dates

Students must be enrolled by May 4, 2018 for Semester 1 for 2018-2019

Students must be enrolled by November 12, 2018 for Semester 2 for 2018-2019

Requirements for High School Graduation

(One semester equals one credit.)

Language Arts **8 credits**
2 - 9th Grade Level Class
2 - 10th Grade Level Class
1 - Literature Elective
3 - Language Arts Elective

Social Studies **6 credits**
2 - United States History
2 - Modern World History
1 - Economics
1 - United States Government

Math **6 credits**
2 - 9th Grade
2 - 10th Grade
2 - Elective

Science **6 credits**
2 – 9th Grade Science
2 – Biological
2 – Elective

***Ag Science courses (Animal Science and Horticulture) will count as an elective science credit**

Technology **1 credit – Business Technology Basics, Business Technology, Microsoft Office Applications, Advanced Business Technology, Project Lead the Way courses, Fundamentals of Drafting, Graphic Design, Studio I or Video Productions**

Fine Arts or Vocational **1 – Elective Credit**

Physical Education **4 - 1 credit each year grades 9 – 12**

Electives **16 credits**

Total Credits for Graduation **48 Credits**

All correspondence courses must be approved in advance. A maximum of four credits will be accepted toward graduation, unless permission is granted by the high school principal.

Definition of Terms

Academic Subject

An academic subject is a course of study which meets daily for a minimum of one class period or an equivalent time.

Credit

The numerical designation assigned for passing one semester of a course. Most academic subjects receive one credit per semester.

Elective

An elective subject or course is one chosen from course offerings but not required for graduation. These may be in advanced study in a required subject area or exploratory courses in a variety of interest areas.

Prerequisite

The requirement which must be met by establishing a successful record and a passing grade for a particular course prior to another course being taken, e.g. Spanish I is a prerequisite for Spanish II.

Required Course

Any course necessary to meet specific requirements set for graduation by the State of Iowa and the Indianola Community Schools Board of Education.

Advanced Placement Courses and Weighted Grades

The following Advanced Placement courses are offered at Indianola High School, and are graded on a five point scale: Language & Composition, Literature & Composition, United States History, European History, World History, United States Government and Psychology, Calculus and Chemistry. Project Lead the Way Classes – Principles of Engineering, Computer Science and Software Engineering and Aerospace Engineering are also on the five point scale. Students transferring into our school that have taken AP classes at another school will use the weighted grade scale. Cumulative grade point average will be calculated for all students using weighted grades and a true class rank will be determined. Even though the weighted grading scale is based on a five- point scale, a grade of F is given 0 quality points toward the student's grade point average.

Advanced Placement/DMACC Courses

The following Advanced Placement courses are offered at Indianola High School on a 5-point scale and can be awarded DMACC College Credit upon successful completion of the course. The courses are: Advanced Placement Language and Composition/DMACC ENG#105 and ENG#106, Advanced Placement Literature and Composition/DMACC LIT#101 and LIT#185, Advanced Placement Calculus AB/DMACC MAT#211, Advanced Placement Calculus BC/DMACC MAT#217. *PLTW Principles of Engineering/DMACC EGT#410. All other DMACC courses **DO NOT** have weighted grades.

Concurrent Enrollment Courses

Students in grades 9-12 have the opportunity to take classes on our campus for DMACC College credit at no cost to the student or his/her family. If a student is interested in this option they need to see their guidance counselor. **The DMACC courses (unless advanced placement) do not have weighted grades.** Students taking these classes will have a college transcript generated by DMACC. **Students taking concurrent enrollment courses must take the course for college credit. Students taking a DMACC Math course for concurrent enrollment credit will need to meet the required score of 30% on the ALEKS Assessment to enroll in the course. Students who have earned a C- or higher in a pre-requisite DMACC math course within the previous 18 months from the date of enrollment will be exempt. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

INDIANOLA HIGH SCHOOL

SENIOR YEAR PLUS

REQUIREMENTS

Enacted by the Iowa legislature, **Senior Year Plus** was created to provide increased and more equal access to college credit courses. Courses delivered through Senior Year Plus provide students the opportunity to take a rigorous college curriculum and receive, in many cases, both high and college credit concurrently. At Indianola High School joint-enrolled courses include:

- Concurrent Enrollment Courses
 - ✓ On-site college level courses
 - ✓ Iowa Learning Online courses (ILO)
- Post-Secondary Enrollment Options Act courses (PSEO)

The state guidelines **now require all** students** enrolling in Senior Year Plus eligible courses (starting the fall of 2010) to be proficient in **Reading** (Reading Comprehension Test), **Math** (Mathematics Concepts and Problem Solving Test), and **Science** (Analysis of Science Materials) as assessed through Iowa Assessments tests.

CRITERIA ENSURING ACADEMIC PROFICIENCY AS REQUIRED BY (SYP):

The student must demonstrate proficiency on the **Reading**, **Math**, & **Science** portions of the Iowa Assessment tests. Proficiency is determined by using the standard score metric specific to grade, content, and time of year. See below:

<u>9th Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>
Math – 249	Math – 257	Math – 263
Science – 250	Science – 258	Science – 265
Reading – 249	Reading – 257	Reading – 263

If a student at Indianola High School is not proficient as described above, an Indianola High School student may meet the requirement by fulfilling **one of the following three** requirements.

- The student has received a **B** grade or better (in both semesters of each course) in these related high school courses (**Language Arts: English/Reading**, **Math: Algebra I**, and **Science: Biology**).
- The student demonstrates proficiency on the **Reading**, **Math**, & **Science** portions of the American College Testing exam (**ACT**). Proficiency is a score of **18** or higher in each academic subject assessment area.

High School Requirements for State Universities

To Enter:	The University of Northern Iowa	The University of Iowa	Iowa State University
English	4 year, including one year of composition: also may include one year of speech, communication, or journalism	4 years with an emphasis on the analysis and interpretation of literature, composition, and speech	4 years of English/language arts emphasizing writing, speaking, and reading, as well as an understanding and appreciation of literature.
Math	3 years, including algebra I, geometry, and algebra II.	3 years, including two years of algebra, one year of geometry for admission to the college of Liberal Arts. 4 years, including two years of algebra, one year of higher mathematics (trigonometry, analysis, or calculus) for admission to the College of Engineering.	3 years, including one year each of algebra, geometry, and advanced algebra.
Science	3 years, including courses in general science, biology, chemistry, earth science, or physics: laboratory experience highly recommended	3 years, including one year each from any two of the following: biology, chemistry, and physics for admission to the College of Liberal Arts. 3 years, including at least one year of chemistry and one year of physics for admission to the College of Engineering.	3 years, including one year each of courses from two of the following fields: biology, chemistry, and physics.
Social Studies	3 years, including courses in anthropology, economics, geography, government, history, psychology, or sociology.	3 years with US and world history recommended for admission to the College of Liberal Arts. 2 years with US and world history recommended for admission to the College of Engineering.	2 years, including one year US history and one semester of US government for admission to the Colleges of Agriculture, Business, Design, Education, Engineering, and Family and Consumer Sciences. 3 years, including one year of US History and one semester of US Government for admission to the College of Liberal Arts and Sciences.
Foreign Language	Foreign Language courses are not required for admission to UNI. (These courses may be used to meet University graduation requirements.)	2 years of one foreign language for admission to the College of Liberal Arts. 2 years of one foreign language, (freshmen may be admitted to the College of Engineering on a conditional basis with an opportunity to complete two semesters of a foreign language at the University.)	Foreign language courses are not required for admission the Colleges of Agriculture, Business, Design, Education, and Family and Consumer Sciences. 2 years of a single foreign language for admission to the College of Engineering and the College of Liberal Arts and Sciences.
Electives	2 years of additional courses from the required subject areas, foreign languages, or fine arts.	Elective courses are not required for admission to the University of Iowa.	Elective courses are not required for admission to Iowa State University.

How to Calculate a Student's Admission Score

Beginning in 2009, Iowa high school graduates who want to gain automatic admission to Iowa's public universities must score a 245 or above on the Regent Admission Index.

FORMULA:

(2 X ACT composite score)

+

(1 X high school rank)

(20 X high school GPA)

(5 X number of core-
subject-area courses
completed in high school)

HOW TO COMPUTE:

ACT composite score has a top value of 36. (SAT score will be converted to ACT composite equivalents)

High school rank is expressed as a percentile, with 99 (the 99th percentile) as the top value.

High school GPA is expressed on a 4-point scale.

Number of core courses is expressed in terms of years or fractions of years of study.

EXAMPLE:

an example student earned an ACT score of 24, (24 X 2) 48

+

was ranked in the 50th percentile, (50)

+

earned a 3.5 grade-point average, (20 X 3.5)

+

and completed 18 core courses. (5 X 18)

90

TOTAL	258
--------------	------------

Students may go to the following website and enter their information to calculate their RAI score: www.regents.iowa.gov/RAI/index.html

NCAA ELIGIBILITY CENTER QUICK REFERENCE GUIDE



NCAA DIVISION I ACADEMIC REQUIREMENTS

College-bound student-athletes will need to meet the following academic requirements to practice, receive athletic scholarships, and/or compete during their first year.

Core-Course Requirement

Complete 16 core courses in the following areas:

ENGLISH 4 years	MATH (Algebra I or higher) 3 years	NATURAL/ PHYSICAL SCIENCE (One year of lab, if offered) 2 years	ADDITIONAL ENGLISH, MATH OR NATURAL/ PHYSICAL SCIENCE 1 year	SOCIAL SCIENCE 2 years	ADDITIONAL COURSES (Any area listed to The left, foreign Language or Comparative Religion/philosophy) 4 years
--------------------	---	--	--	------------------------------	--

Full Qualifier

- Complete 16 core courses.
 - Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school.
 - Seven of the 10 core courses must be in English, math or science.
- Earn a core-course GPA of at least 2.300.
- Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see back page).
- Graduate high school.

Academic Redshirt

- Complete 16 core courses.
- Earn a core-course GPA of at least 2.000.
- Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see back page).
- Graduate high school.

Full Qualifier: College-bound student-athletes may practice, compete and receive athletics scholarships during their first year of enrollment at an NCAA Division I school.

Academic Redshirt: College-bound student-athletes may receive athletics scholarships during their first year of enrollment and may practice during their first regular academic term, but may NOT compete during their first year of enrollment.

Nonqualifier: College-bound student-athletes cannot practice, receive athletics scholarships or compete during their first year of enrollment at an NCAA Division I school.

NCAA ELIGIBILITY CENTER QUICK REFERENCE GUIDE



2018 DIVISION II NEW ACADEMIC REQUIREMENTS

College-bound student-athletes first enrolling at an NCAA Division II school on or after August 1, 2018, need to meet new academic rules to practice, compete and receive athletics scholarships during their first year.

Core-Course Requirement

Complete 16 core courses in the following areas:

ENGLISH 3 years	MATH (Algebra I or higher) 2 years	NATURAL/ PHYSICAL SCIENCE (One year of lab, if offered) 2 years	ADDITIONAL (English, Math, or natural / physical science) 3 years	SOCIAL SCIENCE 2 years	ADDITIONAL COURSES (English, math, natural / physical science, social science, foreign language, comparative religion or philosophy) 4 years
--------------------	---	--	---	------------------------------	---

Full Qualifier

- Complete 16 core courses.
- Earn a core-course GPA of at least 2.200.
- Earn the ACT/SAT score matching your core-course GPA on the Division II full qualifier sliding scale (see back page).
- Graduate high school.

Partial Qualifier

- Complete 16 core courses.
- Earn a core-course GPA of at least 2.000.
- Earn the ACT/SAT score matching your core-course GPA on the Division II partial qualifier sliding scale (see back page).
- Graduate high school.

Full Qualifier: College-bound student-athletes may practice, compete and receive athletics scholarships during their first year of enrollment at an NCAA Division II school.

Academic Redshirt: College-bound student-athletes may receive athletics scholarships during their first year of enrollment and may practice during their first regular academic term, but may NOT compete during their first year of enrollment.

Non-qualifier: College-bound student-athletes may not practice, compete or receive athletics scholarships during their first year of enrollment at an NCAA Division II school.

NCAA Recruiting Rules

Junior golfers should be aware of the NCAA's strict rules, so the following information is intended to help assist players and parents in this process.

For any recruiting questions please call the NCAA directly at (317) 917-6222. You may also request a copy of the NCAA Guide for the College-Bound Student-Athlete free of charge at this number or on the NCAA Web site at ncaa.org.

I. Rules of Recruiting

The following tips about the Division I recruiting process can be found on the NCAA's Web site, ncaa.org. When you start ninth-grade classes, you become a "prospective student-athlete."

You become a "recruited prospective student-athlete" at a particular college if any coach or representative of the college's athletics interests (booster or representative) contacts you (or any member of your family) about enrolling and participating in athletics at that college. Activities by coaches or boosters that cause you to become a recruited prospective student-athlete are:

Providing you with an official visit; Placing more than one telephone call to you or any other member of your family; or Visiting you or any other member of your family anywhere other than the college campus.

No alumni, boosters or representatives of a college's athletics interests can be involved in your recruiting. You (or your family) may not receive any benefit, inducement or arrangement such as cash, clothing, cars, improper expenses, transportation, gifts or loans to encourage you to sign a National Letter of Intent or attend an NCAA college.

Letters from coaches, faculty members and students are not allowed until September 1 at the beginning of your junior year of high school.

Telephone Calls

Phone calls from faculty members and coaches are not permitted until July 1 after the completion of your junior year. After this, a college coach or faculty member may call you (or your parents/legal guardians) once a week. You (or your parents) may call a coach at your expense as often as you wish after your junior year. Coaches may also accept collect calls from you and may use a toll-free number to receive telephone calls from you on or after July 1 after completion of your junior year.

Contacts

A college coach may contact you in person off the college campus no more than three times on or after July 1 of your junior year. Any face-to-face meeting between a college coach and you or your parents, during which any of you say more than "hello" is a contact. Also, any face-to-face meeting that is prearranged or that occurs at your high school, competition or practice site is a contact, regardless of the conversation. Coaches may not contact you off the college campus more than three times. A college coach may visit your high school (with the approval of your high school principal) only once a week during a contact period.

Evaluations

An evaluation is any off-campus activity used to assess your academic qualifications or athletics ability, including a visit to your high school (during which no contact occurs) or watching you practice or compete at any site. Institutions have seven permissible recruiting opportunities (contacts and evaluations) during the academic year, and not more than three of the seven opportunities may be in-person, off-campus contacts. Once you sign a National Letter of Intent, you may be evaluated an unlimited number of times by the college with which you have signed.

Official Visits

During your senior year, you can have one expense-paid (official) visit per college. You may receive no more than five such visits. You cannot have an official visit unless you have provided the college your high school academic transcript and a score from a PSAT, an SAT, a PACT or an ACT taken on a national test date under national testing conditions.

NCAA Initial-Eligibility Clearinghouse

At the beginning of your sophomore year, you should sign up for the NCAA Initial-Eligibility Clearinghouse, which are minimum requirements to participate in Division I and II athletics. For registration materials, contact your high school guidance counselor or call the NCAA at (319) 337-1492.

For questions or more information on NCAA Rules and Recruiting Information, please call (317) 917-6222.

To receive NCAA Initial-Eligibility Clearinghouse registration materials from NCAA, please call (319) 337- 1492.

NCAA Eligibility Center mailing address:

NCAA Eligibility Center P.O. Box 7136 Indianapolis, IN 46207

Customer service hours - 8 a.m. to 6 p.m. Eastern time Monday through Friday. Toll-free phone number (U.S. callers) - Customer service line - (877) 262-1492

National Letter of Intent

A National Letter of Intent is an agreement signed by the prospective student-athlete, parent or legal guardian and the athletic director. The agreement states that the institution agrees to provide the prospective student-athlete, who is admitted to the institution and is eligible for financial aid under NCAA rules, athletic aid for one academic year in exchange for the prospects agreement to attend the institution for one academic year.

Also, other institutions agree not to recruit a prospective student-athlete once he/she signs a NLI. The prospective student-athlete will no longer receive recruiting calls and is ensured an athletic scholarship for one academic year once the NLI is signed.

II. NCAA Contact Information

For more information on National Letters of Intent, please contact:

National Letter of Intent P.O. Box 7132 Indianapolis, IN 46207-7132 Phone: (317) 223-0706
Questions@national-letter.org

NAIA ELIGIBILITY

NAIA Eligibility

The NAIA Eligibility Center will determine your eligibility based on your academic record and additional information you provide. Here's how it works:

High School Students

If you will graduate from high school this spring and enroll in college this coming fall, the requirements are simple. High school graduation, plus **two out of three** of these requirements

ACHIEVE A MINIMUM
OF 18 ON THE ACT
OR 860 ON THE SAT.

ACHIEVE A MINIMUM
OVERALL HIGH SCHOOL
GPA OF 2.0 ON A 4.0 SCALE.

GRADUATE IN THE TOP
HALF OF YOUR HIGH
SCHOOL CLASS.

Early Decisions for High School Seniors

Students who have completed their junior year of high school with an overall 3.00 GPA on a 4.00 scale OR students who have completed the first half of senior year with an overall 2.5 GPA on a 4.00 scale, plus the minimum test scores required (18 ACT or 860 SAT), may receive an eligibility decision prior to high school graduation. To receive an early decision, register with the NAIA Eligibility Center, have your high school send official transcripts to the Eligibility Center and contact ACT or SAT to have their test scores sent directly (the NAIA code is 9876 with ACT and SAT).

Transfer Students

If you're [transferring from a two- or four-year college](#) and **never played previously in the NAIA**, the Eligibility Center will determine your eligibility based on academic records received directly from the previous institution(s).

Current NAIA Students Playing Sports for the First time

If you're a current NAIA student who has not previously competed in the NAIA, the Eligibility Center will determine your eligibility based on academic records received directly from your current institution and any previous institution(s) you've attended.

Have You Taken Time Off?

Some students will also need to provide more detailed information about their participation in sports outside the college setting. This information will be required if you:

- Graduated from high school and did not enroll in college full-time the following fall
- Did not maintain continuous enrollment in college (e.g., withdrew from college for one or more semesters/quarters)
- Did not participate in college sports for one or more years during your collegiate enrollment

NAIA Ongoing Eligibility Rules

For students already enrolled at NAIA institutions, your best resource for eligibility questions is your campus Faculty Athletics Representative. The [NAIA Official Handbook](#) outlines all association rules governing eligibility.



EPIC LEARNING PROGRAM INDIANOLA HIGH SCHOOL

- The goal of the EPIC Learning Program is to help students learn and earn the Indianola High School Core Diploma. Every student in the EPIC Learning Program has an individual curriculum that is based on self-motivation. Instruction delivery is through online course offerings, packet course offerings as well as other individually approved methods.
- Students gain entrance to the EPIC Learning Program by following the steps of the MTSS process.
- The schedule for the EPIC Learning Program student will be assigned according to the academic requirements needed for high school graduation.
- The goals for students are to graduate from Indianola High School, to leave high school with a post-secondary plan, to realize your full potential as a person and to learn positive interaction and life skills.
- Students will earn the CORE Indianola High School diploma requiring 36 credits. The core diploma requirements are 8 credits of English, 6 credits of Math, 6 credits of science, 6 credits of social studies, 1 technology credit, and 1 credit of vocational or fine arts. The CORE diploma requires 3 PE credits. The balance due for credits is elective coursework. The CORE diploma requires 5 elective credits.
- The EPIC Learning Program is an at-risk, alternative for Indianola High School students.

Language Arts Course Numbers

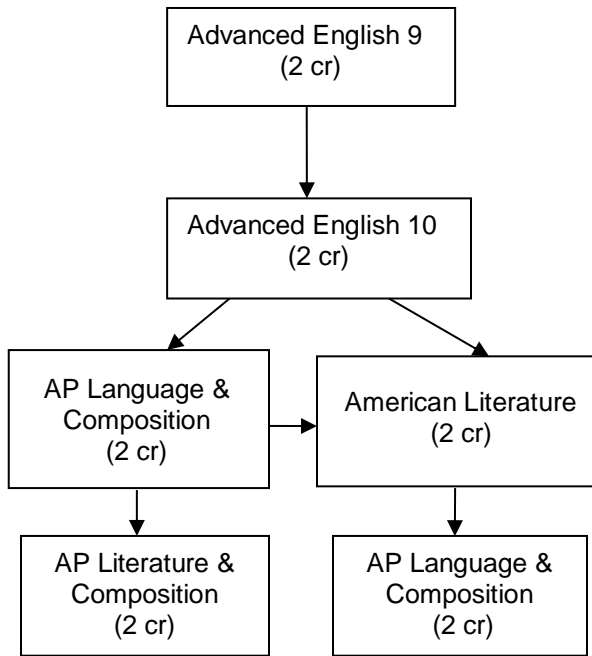
Class	Semester 1	Semester 2	Year/ Semester	Available
English 9	1000	1005	Year	9
Advanced English 9	1010	1015	Year	9
English 10*	1020	1025	Year	10
Advanced English 10*&	1030	1035	Year	10
English 11/12 Part I *&	1050	1055	Year	11-12
English 11/12 Part II*&	1090	1095	Year	11-12
American Literature*	1060	1065	Year	11-12
Survey of Literature*	1070	1075	Sem	11-12
Composition*	1080	1085	Sem	11-12
Creative Writing	1110	1115	Sem	11-12
Advanced Placement Language & Composition/DMACC*&~	1120	1125	Year	11-12
Advanced Placement Literature & Composition/DMACC*&~	1130	1135	Year	12
Publications	1140	1145	Sem	10-11-12
News Staff*	1150	1155	Sem	11-12
Yearbook I*	1160	1165	Year	10-11-12
Yearbook II*	1250	1255	Year	11-12
Yearbook III*	1260	1265	Year	11-12
Oral Communication	1190	1195	Sem	9-10-11-12
Introduction to Theatre	1210		Sem	9-10-11-12
Acting*		1225	Sem	9-10-11-12
Video Production	1230	1235	Sem	10-11-12
Studio I Staff*	1240	1245	Sem	10-11-12

*Prerequisite for course
~DMACC Credit Class

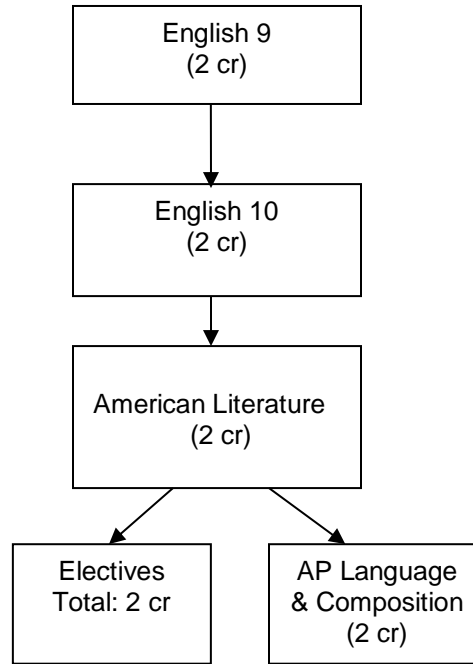
Language Arts

8 semester credits required

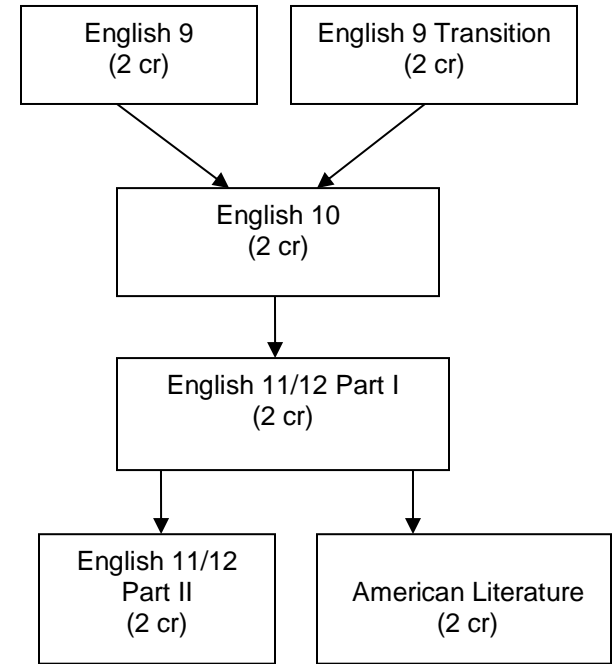
Advanced Pathway



College Readiness Pathway



College/Vocational Pathway



Electives

9th

Oral Communication (1 cr)
Introduction to Theatre (1 cr)
Acting (1 cr)

10th – 12th

Oral Communication (1 cr)
Introduction to Theatre (1 cr)
Acting (1 cr)
Video Production (1 cr)
Publications (1 cr)
Studio I Staff (1 cr)
Yearbook (2 cr)
Yearbook II (2 cr)
Yearbook III (2 cr)

11th – 12th

News Staff (1 cr)
Survey of Literature (1 cr)
Composition (1 cr)*
Creative Writing (1 cr)

***ONLY FOR STUDENTS WHO
HAVE NOT TAKEN AP LANG
& COMPOSITION**

■English 9

Grade:..... 9

Credit:2

Prerequisite:None

Semester: Year

NCAA Clearinghouse:Approved

Course Description

English 9 will reinforce fundamental reading, writing, speaking, and listening skills. A new emphasis will be placed on analytical thinking skills. Grammar, spelling, work on vocabulary skills and usage will be taught within the context of, and be applied to, the students' reading and writing. Students will study a wide range of literature including novels, short stories, epic poetry, drama and nonfiction. Independent reading projects will be assigned to supplement whole class assignments.

Additional Considerations

- Possesses attributes for success (self-directed, able to complete homework independently)

■Advanced English 9

Grade:..... 9

Credit:2

Prerequisite:None

Semester: Year

NCAA Clearinghouse:Approved

Course Description

Advanced English 9 will emphasize analytical reading, writing, thinking, and listening skills. Students will study a wide range of challenging literature including novels, drama, and nonfiction. Students will be expected to complete rigorous independent reading projects along with whole-class assignments. This course is for the highly qualified student. **Students will be enrolled in this course based on an English 8 teacher recommendation, standardized test scores, and previous academic record.**

Additional Considerations

- Minimum competency on standardized reading tests (above 70th percentile)
- English 8 teacher recommendation
- Possesses attributes for success (good attendance, strong work ethic, self-directed)

■English 10

Grade:..... 10

Credit:2

Prerequisite: English 9

Semester: Year

NCAA Clearinghouse:Approved

Course Description

English 10 emphasizes reading, writing, speaking, and listening. Higher level thinking skills are emphasized: evaluating, interpreting and appreciating literature. It includes the study of drama, poetry, short story, the novel and non-fiction.

Additional Considerations

- Must have passed English 9
- Possesses attributes for success (self-directed, able to complete homework independently)

■Advanced English 10

Grade:..... 10

Credit:2

Prerequisite:Advanced English 9

Semester: Year

NCAA Clearinghouse:Approved

Course Description

This course is designed for students with a strong aptitude for reading and writing and who intend to take Advanced Placement Language and Composition and/or Advanced Placement Literature and Composition. Students must be able to complete course assignments without remedial instruction in reading and writing. Students complete a variety of reading, writing, and presentation assignments designed to improve and challenge their written and oral communication skills, as well as their ability to understand and appreciate various forms of literature and non-fiction.

There is a strong emphasis on analysis and research skills students will need in Advanced Placement courses. **Students will be enrolled in this course based on an English 9 teacher recommendation, standardized test scores, and previous academic record.**

Additional Considerations

- Must have passed English 9
- English 9 teacher recommendation
- Minimum competency on standardized reading tests (above 70th percentile)
- Possesses attributes for success (good attendance, strong work ethic, self-directed)

■English 11/12 Part I

Grade:..... 11-12

Credit:2

Prerequisite: English 9, 10

Semester: Year

NCAA Clearinghouse: Not Approved

Course Description

This course will be a comprehensive English course that addresses all facets of the English Common Core Curriculum: writing, reading, speaking, and listening. However, this course is not a college preparatory course but rather a course that will focus on building life and job literacy skills in particular. It is specifically designed for students who have struggled in English courses and are not ready for American Literature. If students make sufficient progress by the end of their junior year, they may move on to the college preparatory American Literature course as seniors. If they are not ready, they can remain in the class for another year to continue building and improving their literacy skills. This course will allow students to demonstrate what they know, have choice and individuality in their learning, and have some control over their education.

■English 11/12 Part II

Grade:..... 11-12
Prerequisite: English 9 &10
NCAA Clearinghouse: Not Approved

Credit:2
Semester: Year

Course Description

This course will be a continuation comprehensive English course that addresses all facets of the English Common Core Curriculum: writing, reading, speaking, and listening. However, this course is not a college preparatory course but rather a course that will focus on building life and job literacy skills in particular. It is specifically designed for students who have struggled in English courses, took Part I already, but are still not ready for American Literature. Students who take Part II will begin where they left off in Part I and spend another year building and improving their literacy skills. This course will allow students to demonstrate what they know, have choice and individuality in their learning, and have some control over their education.

■American Literature

Grade:..... 11-12
Prerequisite: English 10
NCAA Clearinghouse: Approved

Credit:2
Semester: Year

Course Description

American Literature is an English course that covers classic and contemporary fiction and non-fiction. Students will develop their analytical and communication skills for personal, academic and career success. This course is offered primarily to juniors who have completed English 9 and English 10. Seniors who successfully completed English 11 may also take this course. Students must have earned “C’s” or higher in four semesters of English courses. This course is recommended for college-bound students.

Additional Considerations

- Must have earned a C or higher in English 9 and English 10
- Minimum competency on standardized reading tests (above 41st percentile)
- Should have average to good comprehension skills
- Should have basic writing skills (how to write a 5-paragraph essay)

■Survey of Literature

Grade: 11-12
Prerequisite: English 9 and English 10
NCAA Clearinghouse: Approved

Credit: 1
Semester: First or Second

Course Description

Survey of Literature is an elective English course that explores various forms of classic and contemporary literature from around the world. Students will develop their analytical skills by using a thematic approach to critically evaluate information based on relevancy, objectivity and reliability. This course is offered to students who have successfully completed English 9 and English 10.

Additional considerations:

- Minimum competency on standardized reading tests (above 41st percentile)
- Should have average to good comprehension skills
- Should have basic writing skills (how to write a 5-paragraph essay)

■Composition

Grade: 11-12
Prerequisite: Amer. Literature or English 11
NCAA Clearinghouse: Approved

Credit: 1
Semester: First or Second

Course Description

Composition is a class for seniors who want to improve their writing skills for personal, academic, and career success. Students will participate in this “writing community” in order to improve their writing. Students will apply writing skills and strategies to effectively communicate in a variety of genres with various audiences. Students will also engage in the information literacy process: accessing, evaluating, and communicating information and ideas. **THIS CLASS IS ONLY FOR STUDENTS WHO HAVE NOT TAKEN AP LANGUAGE and COMPOSITION CLASS.**

Additional Considerations

- Must have passed English 9 and 10
- Possesses attributes for success (see above)
- Desires to develop writing skills beyond the 5-paragraph essay

■Creative Writing

Grade: 12
Prerequisite: Comp or AP Lang
NCAA Clearinghouse: Approved

Credit: 1
Semester: First or Second

Course Description

This course uses a workshop approach: students will be expected to read from a wide variety of genres and to write in a wide variety of genres. Students are expected to be active participants in a reading and writing community, both producing works and critically reflecting on the work of others. The writing process will be emphasized, with instruction in pre-writing activities, drafting, editing, and revising. This class requires several writing assignments to be completed both in class and outside class. A solid writing foundation is expected. This course is offered to seniors as an English elective.

■Advanced Placement Language and Composition/DMACC ENG #105* & DMACC ENG#106*

Grade:.....	11-12	Credit:.....	2
Prerequisite:.....	None	Semester:.....	Year
NCAA Clearinghouse:.....	Approved	Weighted Grade:.....	see page 9

Course Description

This course is designed for advanced juniors and college bound seniors. The equivalent of two full semesters of college courses will be covered. The curriculum will include both critical reading of challenging texts and writing well-argued, well-developed essays. The focus for both the reading and writing will be on argumentation: the ways writers use the elements of language to achieve their purposes. This class will read challenging nonfiction and fiction, and the essays will not be literature based. This class would take the place of college rhetoric and is recommended for students who want to improve their critical reading and writing skills regardless of their potential college majors. **Students taking concurrent enrollment courses must take the course for college credit. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

Additional Considerations (this class will benefit most students going on to a 4-year college)

- Should have excelled in previous English classes. Advanced coursework is not required but highly recommended.
- Students must complete a rigorous homework load for both reading and writing, including a summer assignment.
- Students must possess strong comprehension skills (but don't have to already "get" great lit).
- Students must possess strong writing skills.

Upon completing the course, the student will have the option of paying to take the AP Exam in Language and Composition. If the test score warrants and the college they are applying to will accept the test score, the appropriate semester hours of college credit will be given to the student.

*DMACC Composition I – ENG #105	3 Credits
*DMACC Composition II – ENG #106	3 Credits

■Advanced Placement Literature and Composition/DMACC LIT #101* & DMACC LIT #185*

Grade:.....	12	Credit:.....	2
Prerequisite:.....	None	Semester:.....	Year
NCAA Clearinghouse:.....	Approved	Weighted Grade:.....	see page 9

Course Description

AP Literature and Composition is designed for advanced college-bound seniors. The equivalent of a full-year college course will be covered. The curriculum emphasizes challenging literature from antiquity through the modern era, literary theory, and literature analysis. Students will interpret literature based on a variety of literary theories and from differing historical perspectives. **Students taking concurrent enrollment courses must take the course for college credit. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

Additional Considerations (this class will benefit most students going on to a 4-year college)

- Minimum competency on standardized reading tests (above 70th percentile)
- Must have successfully completed AP Language and Composition
- Must complete a rigorous homework load for both reading and writing, including a summer assignment.

Upon completing the course, the student will have the option of paying to take the AP Exam in Literature and Composition. If their test score warrants and the college they are applying to will accept the test score, the appropriate semester hours of college credit will be given to the student.

*DMACC Intro to Literature – LIT #101	3 Credits
*DMACC Contemporary Literature – LIT #185	3 Credits

■ Publications

Grade: 10-12
Prerequisite: None
NCAA Clearinghouse: Approved for one semester

Credit: 1
Semester: First or Second

Course Description

This class focuses on gathering the news, writing news leads, putting stories together, writing in Associated Press style, interpreting news, writing features, writing the basic types of editorials, reviews, presenting sports, reading copy for accuracy, headlining stories and using the computer to generate newspaper layout. This course is offered as an English elective.

Additional Considerations

- Independent, self-directed, able to meet deadlines

■ News Staff

Grade: 11-12
Prerequisite: Publications
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First and/or Second

Course Description

News Staff is designed for students who have learned the basic skills for publishing the school newspaper. The focus is on the publication of "The Indian" and covering school news. Students must work together as a team. Enrollment is limited to 15. This course is offered as an English elective.

Additional Considerations

- Must pass publications
- Independent and self-directed
- Must be able to meet deadlines

■ Yearbook I

Grade: 10-12
Prerequisite: Application
NCAA Clearinghouse: Not Approved

Credit: 2
Semester: Year

Course Description

Yearbook I class is designed to introduce the student to the production of the yearbook. Students will learn book and advertising sales, marketing, coverage, reporting, photography, basic layout and graphic design and basic newswriting. Students will work together as a team to produce the annual yearbook. Enrollment is limited. Students taking this course will earn two English elective credits.

■ Yearbook II

Grade: 11-12
Prerequisite: Yearbook I
NCAA Clearinghouse: Not Approved

Credit: 2
Semester: Year

Course Description

Yearbook II is a course for students who have taken a year of Yearbook. Students in Yearbook II will continue to conduct book and advertising sales and market the annual. Additionally, students will refine their writing and reporting skills and serve as lead story writers and reporters. Students taking this course will earn two general elective credits.

■ Yearbook III

Grade: 12
Prerequisite: Yearbook I and Yearbook II
NCAA Clearinghouse: Not Approved

Credit: 2
Semester: Year

Course Description

Yearbook III is a course for students who have taken Yearbook I and Yearbook II. Students in Yearbook III will continue to conduct book and advertising sales and market the annual. Additionally, students will serve as editor or assistant editor. In this role, students will mentor and collaborate with first-year students to learn basic reporting, photography, layout, graphic design and newswriting. These students will also edit copy and spreads and ensure the staff is meeting deadlines. Students taking this course will earn two general elective credits.

■ Oral Communication

Grade: 9-12
Prerequisite: None
NCAA Clearinghouse: Approved

Credit: 1
Semester: First or Second

Course Description

This course will teach students the basic speaking skills used in a variety of situations such as: inter-personal communication, job interviews, public speeches, and public forum debate. Students will present informative and persuasive speeches to the class. This course is offered as an English elective.

■ Introduction to Theatre

Grade: 9-12
Prerequisite: None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First

Course Description

Introduction to Theatre is a basic survey course of theatrical knowledge and skills; this will include theatre history, set construction, make-up, lighting, and acting. This course is offered as an English elective.

■ Acting

Grade: 9-12
Prerequisite: Introduction to Theatre
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: Second

Course Description

Acting will train the student in vocal and physical techniques for the actor, as well as, Stanislavsky based “method acting” techniques. This course is offered as an English elective.

■Video Production

Grade:..... 10-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First or Second

Course Description

The student will learn basic filming and editing techniques. This will include the use of digital video cameras, lighting equipment, and digital editing. The student will use these techniques to produce short films, school announcements, and activities promotional segments. The student will also learn basic writing and performance techniques for news-type video segments. This course is offered as an English elective. Course may be used to fulfill technology credit.

■Studio I Staff

Grade:..... 10-12
Prerequisite:Video Production
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First or Second
(may be taken for no more than 3 semesters)

Course Description

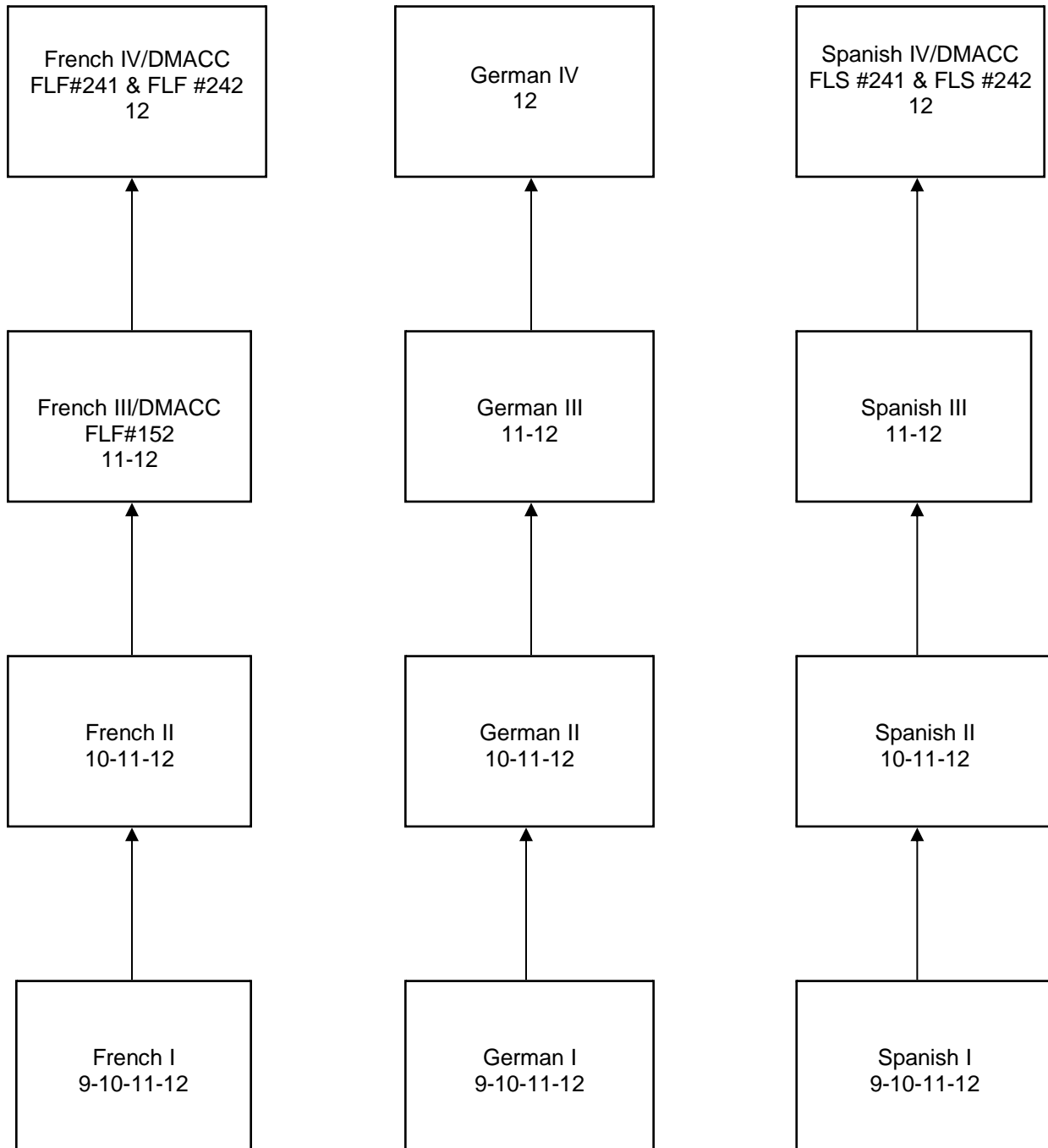
The student will film and produce programs for the Indianola Community School District YouTube channel and NFHS network.com. This course is offered as an English elective. This course may be taken twice. Course may be used to fulfill technology credit.

World Languages Course Numbers

Class	Semester 1	Semester 2	Year/ Semester	Available
French I	1500	1505	Year	9-10-11-12
French II*	1510	1515	Year	10-11-12
French III/DMACC FLF#152*&~	1520	1525	Year	11-12
French IV/DMACC FLF#241 & FLF #242*&~	1530	1535	Year	12
German I	1600	1605	Year	9-10-11-12
German II*	1610	1615	Year	10-11-12
German III*	1620	1625	Year	11-12
German IV*	1630	1635	Year	12
Spanish I	1700	1705	Year	9-10-11-12
Spanish II*	1710	1715	Year	10-11-12
Spanish III*	1720	1725	Year	11-12
Spanish IV/DMACC FLS#241 & FLS #242*&~	1730	1735	Year	12

*Prerequisite for course
~DMACC Credit Class

WORLD LANGUAGE COURSE FLOW CHART



■French I

Grade:..... 9-12
Prerequisite:None
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

In French I, students will explore contemporary life in the Francophone world through the textbook, supplemental materials, on-line research and videos. Students will gain knowledge of diverse cultures, traditions, history and language that will make you travel-ready and multicultural. Students will become skilled at working with a partner, in a group, and making presentations. Students will also realize that learning another language expands horizons, develops intellect and prepares for experiencing the rich and engaging world in which we live.

■French II

Grade:..... 10-12
Prerequisite: French I
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

In French II, students will build on skills acquired in French I to help them communicate more effectively through textbook, supplementary materials, online research and videos. Students will gain additional knowledge about the French speaking places of the world and continue to be travel-ready and multicultural. Students will enhance their skills of working with a partner, in a group and making presentations. They will also continue to realize that learning a language expands horizons, develops intellect and prepares for experiencing the rich and engaging world in which we live.

■French III/DMACC FLF #152*

Grade:..... 11-12
Prerequisite: French II
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

In French III, students continue to build on previously learned skills. Besides continued grammar and culture study, students will begin to explore French history, literature and art. Skills will be acquired and enriched through a variety of activities. Students learn to speak in more detail about school life and hobbies, present and past tenses, human conditions, art, subjunctive phrases, traveling, future tense and technology. **Students taking concurrent enrollment courses must take the course for college credit. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC upon successful completion of this course.

*DMACC Elementary French II FLF #152

5 Credits

■French IV/DMACC FLF #241 & FLF #242*

Grade:..... 12
Prerequisite: French III
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

In French IV, students will increase their proficiency ability to communicate in French. Students will build confidence in using French for self-expression. Expanded studies in grammar, culture, history, literature and art will enhance their skill levels and reinforce their preparation for life-long learning and interactions. **Students taking concurrent enrollment courses must take the course for college credit. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC upon successful completion of each semester of this course.

- *DMACC Intermediate French I FLF #241 **4 Credits**
- *DMACC Intermediate French II FLF #242 **4 Credits**

■German I

Grade:..... 9-12
Prerequisite:None
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

In German I, students begin to develop skills in listening, speaking, reading, and writing in German. An emphasis is placed on the ability to recognize the distinctive cultural practices and products of German speaking countries. Students learn words and phrases in order to discuss topics such as hobbies, family, school, food, shopping, and one’s life at home.

■German II

Grade:..... 10-12
Prerequisite: German I
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

In German II, students build on German I acquisitions and usage to help them communicate more effectively. They begin a systematic study of German grammar with an emphasis on verbs. These activities expand their ability to produce the language. Students learn how to give directions, describe preferences, talk in the past tense, describe health, and learn more about foods.

■German III

Grade:..... 11-12
Prerequisite: German II
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

In German III, students expand on their previous abilities by learning more native-like ways to express emotions and opinions. Students continue to add complexity to sentences to discuss a wide range of topics in a variety of tenses. Students explore culture in a more in depth way by reading short stories and poetry. A focus is placed on becoming a knowledgeable foreigner in German-speaking countries by taking a closer look at regional differences and making comparisons to one's own culture.

■German IV

Grade:..... 12
Prerequisite: German III
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

In German IV, students should be prepared for an advanced and challenging experience done mostly in the German language. They will engage in conversations on a variety of topics. They will also read and comprehend a variety of source material on German history, culture geography, stereotypes, and traditions. This course is designed to prepare students for post-secondary German courses and life-long learning by incorporating all significant elements of German grammar into meaningful exercises. The year is culminated by reading a complex play in German.

■Spanish I

Grade:..... 9-12
Prerequisite:None
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

Spanish I is a course concerned with the four basic language skills: listening, speaking, reading, and writing. The program consists of basic grammar, stories, and oral and written exercises that are relevant to the students' own lives. Additional activities such as games, music, skits, and other cultural material enrich the students' understanding of the people and cultures of Spanish-speaking countries.

■Spanish II

Grade:..... 10-12
Prerequisite: Spanish I
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

Spanish II is an intermediate course designed for students to use and improve skills learned in Spanish I. Speaking is emphasized, along with listening, reading, and writing. The program consists of grammar, stories, listening activities, and oral and written exercises that are relevant to the students' own lives. Additional activities, such as games, music, skits, videos, and other cultural material enrich the students' understanding of the people and cultures of Spanish-speaking countries.

■Spanish III

Grade:..... 11-12
Prerequisite: Spanish II
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

Spanish III is an intermediate course designed to build on skills learned in Spanish I and II. The primary goal of Spanish III is to emphasize, increase and refine students' writing and speaking skills. Continued development in the areas of listening, reading and culture are focused upon. In order to obtain these different skills: grammar, audio and video activities, and oral and written exercises are used. Other classroom activities include games, music, skits, videos and additional cultural materials that supplement the students' understanding of Spanish-speaking people and their cultures.

■Spanish IV/DMACC FLS #241 & FLS #242*

Grade:..... 12
Prerequisite: Spanish III
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

Spanish IV is an advanced course that centers on Hispanic culture by looking into the history and literature of Spanish-speaking countries. These activities and others are designed to increase the students' proficiency in the Spanish language. The class is conducted primarily in Spanish to improve the students' ability to converse in the Spanish language and prepare them for life-long learning. **Students taking concurrent enrollment courses must take the course for college credit. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC upon successful completion of each semester of this course.

*DMACC Intermediate Spanish I FLS #241

4 Credits

*DMACC Intermediate Spanish II FLS #242

4 Credits

Social Studies Course Numbers

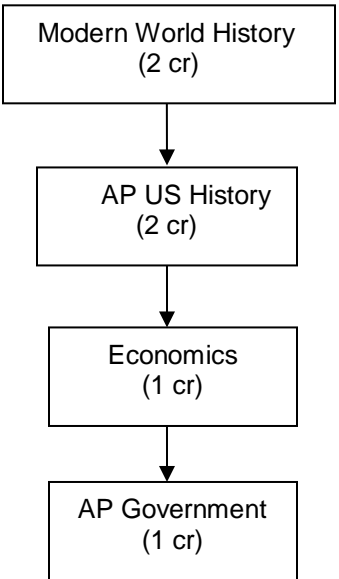
Class	Semester 1	Semester 2	Year/ Semester	Available
United States History 9	2000	2005	Year	9
AP United States History	2010	2015	Year	10-11-12
Modern World History	2020	2025	Year	9-10
AP World History***	2030	2035	Year	11-12
AP European History****	2050	2055	Year	11-12
United States Government	2100	2105	Sem	11-12
AP United States Government		2115	Sem	11-12
Economics	2120	2125	Sem	11-12
Sociology	2130	2135	Sem	11-12
Psychology I	2140		Sem	11-12
Psychology II*		2155	Sem	11-12
AP Psychology	2160	2165	Year	11-12

***Prerequisite for course**
*****Course will be offered in 2018-2019**
******Course will be offered in 2019-2020**

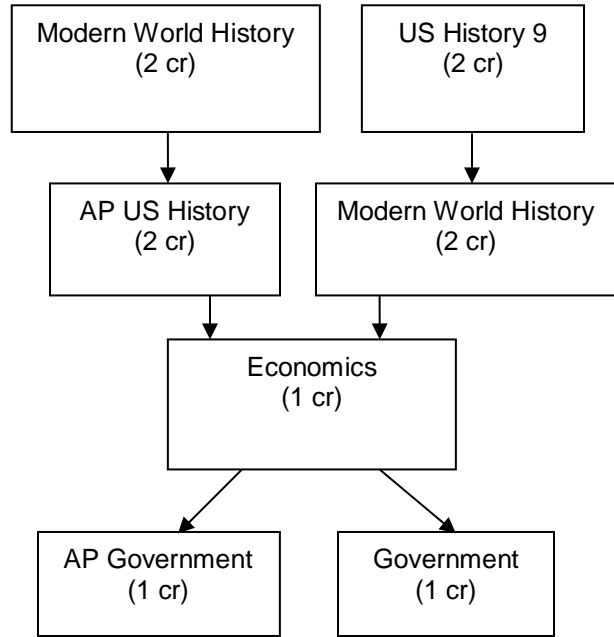
Social Studies

6 semester credits required

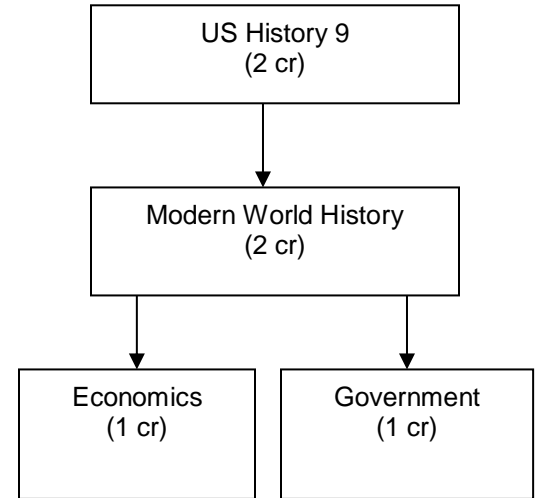
Advanced Pathway



College Readiness Pathway



College/Vocational Pathway



ELECTIVES

Advanced Pathway

- 11th - 12th
- AP European History (2 cr)
 - AP World History (2 cr)
 - AP Psychology (2 cr)

College Readiness Pathway

- 11th - 12th
- Psychology I (1 cr)
 - Psychology II (1 cr)
 - Sociology (1 cr)

Social Studies Course Narrative

Placement for 9th grade students will be based on 8th grade teacher and guidance counselor recommendations. Most 9th grade students will be placed in US History 9 and proceed through the core sequence. Those 9th grade students who are considered likely to excel at the advanced track will be placed in Modern World History and take AP US History as sophomores.

The course pathways for social studies are **suggested** pathways. Students may option out of the advanced track at any point. Those not considered ready for the advanced track at the 8th grade level evaluation may choose to take AP US History as well as other AP courses as upper-level electives as per their course descriptions.

If students fail a semester of Government, Economics, US or Modern World History they may retake it the following semester. The possibility may exist for students to retake these courses in summer school or take the equivalent Odyssey course.

■United States History 9

Grade:..... 9
Prerequisite:None
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

United States History covers the time period from the 1870's to present day. Significant people, events, and concepts will be discussed and analyzed. The development of the United States as a world power, and its current role and responsibility will be covered. Past foreign policy decisions will be discussed and related to present governmental policies. A central theme throughout the course will be cause and effect.

■Advanced Placement United States History

Grade:..... 10-12
Prerequisite: Modern World History
NCAA Clearinghouse:Approved

Credit:2
Semester: Year
Weighted Grade:.....see page 9

Course Description

This is a college survey course of American History from pre-European America to the present. Students will analyze primary and secondary sources in order to demonstrate their grasp of major economic, political and social themes. This course stresses higher order thinking skills and factual knowledge that will be used to draw conclusions, form reasoned judgments and write historical essays.

Upon completion of the course, the student will have the option of paying to take the AP Exam in U.S. History. If their score warrants and the school they are applying to will accept the test score, the appropriate semester hours of college credit will be given to the student.

■Modern World History

Grade:..... 9-10
Prerequisite:None
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

This course will introduce the student to the events in world history beginning with transformations in early modern Europe. Major emphasis will be placed on developing higher order thinking skills as we strive to make sense of the past. As we progress through the year, students will understand events in world history as well as see how the study of history connects to events in the world today.

■Advanced Placement World History

Grade:..... 11-12
Prerequisite:None
NCAA Clearinghouse:Approved
Weighted Grade:.....see page 9

Credit:2
Semester: Year
Course Offered2018-2019

Course Description

This course is a college-level survey of World History from 8000 b.c.e. to 2000 c.e. This course is geared toward students wanting advanced work and who are skilled in reading, writing and committed to daily homework. Participation in class discussion and small group interaction at an academically mature level will be required. **This course will be offered alternate years with Advanced Placement European History.**

Upon completion of the course, the student will have the option of paying to take the AP Exam in World History. If their test score warrants and the college they are applying to will accept the test score, the appropriate number of semester hours of college credit will be given to the student.

■Advanced Placement European History

Grade:..... 11-12
Prerequisite:None
NCAA Clearinghouse:Approved
Weighted Grade:.....see page 9

Credit:2
Semester: Year
Course Offered2019-2020

Course Description

This course is a college-level study of modern European History, interpreting the various intellectual, cultural, political, social, and economic developments that have shaped Europe from 1450 to the present. Students will be expected to read and interpret primary and secondary documents and use higher order thinking skills in discussions and when writing essays. **This course will be offered alternate years with Advanced Placement World History.**

Upon completion of the course, the student will have the option of paying to take the AP Exam in European History. If their test score warrants and the college they are applying to will accept the test score, the appropriate number of semester hours of college credit will be given to the student.

■United States Government

Grade:..... 11-12
Prerequisite:None
NCAA Clearinghouse:Approved

Credit: 1
Semester: First or Second

Course Description

Government is a required course that may be taken as a junior or senior. The purpose of the course is to give the student a basic understanding of the makeup, structure and functions of the U.S. system of government. Special emphasis is given to the student's rights and responsibilities as a citizen.

■Advanced Placement United States Government

Grade:..... 11-12
Prerequisite:None
NCAA Clearinghouse:Approved

Credit: 1
Semester:Second
Weighted Grade:.....see page 9

Course Description

Advanced Placement Government will offer the advanced student the opportunity to earn college credit while taking a high school course. The students will be challenged to develop a knowledge base and using this, respond to problems and issues facing the United States. The students will make extensive use of their writing skills as they analyze and synthesize information dealing with governmental policy and programs. They will also study the roles and responsibilities of the officials running our country.

Upon completion of the course, the student will have the option of paying to take the AP Exam in U.S. Government. If their test score warrants and the college they are applying to will accept the test score, the appropriate semester hours of college credit will be given to the student.

■Economics

Grade:..... 11-12
Prerequisite:None
NCAA Clearinghouse:Approved

Credit: 1
Semester: First or Second

Course Description

This course is designed to introduce students to the economic principles, vocabulary and evaluate how governmental policies can impact the individual consumer at the local, state and national levels. The content anchor standards that will be emphasized in this course include: having students engage in economic decision making, critiquing exchanges and markets, evaluating the national economy, and assessing the global economy. We will use current events and relevant examples to help us gain greater insight to these anchor standards.

■Sociology

Grade:..... 11-12
Prerequisite:None
NCAA Clearinghouse:Approved

Credit: 1
Semester: First or Second

Course Description

Sociology studies human society and social interactions. It assumes a group, rather than an individual, perspective in the scientific study of social structure. Sociology is a challenging elective that will introduce students to the major theories, concepts, and individuals in the field of Sociology. Some of the topic options in Sociology are: a history of Sociology and its research methods, culture, socialization, deviance and social control, social inequalities (such as race, gender, and age), social institutions (such as the family, religion, and sport), and elements of social change (such as urbanization and collective behavior).

■Psychology I

Grade:..... 11-12
Prerequisite:None
NCAA Clearinghouse:Approved

Credit: 1
Semester:First

Course Description

Psychology is the scientific study of behavior and mental processes. It assumes an individual perspective to the study of behavior, as opposed to group dynamics. Psychology I is a challenging elective that will introduce students to the major theories, concepts, and individuals in the field of Psychology. The topic options in Psychology I include: learning principles and applications, memory and thought, thinking and language, motivation and emotion, theories of personality and psychological testing.

■ Psychology II

Grade:..... 11-12
Prerequisite:Psychology I
NCAA Clearinghouse:Approved

Credit: 1
Semester:Second

Course Description

Psychology II is a one semester course that will build on the knowledge gained in Psychology I. Psychology II will continue to introduce students to the major theories, concepts, and individuals in the field of Psychology. As an extension of Psychology I, this course looks at such topic options as: body and behavior, altered states of consciences, stress and health, psychological disorders, therapy and change. Students taking Psychology I and II will be thoroughly prepared for Introductory Psychology courses at any college or university.

■ Advanced Placement Psychology

Grade: 11-12
Prerequisite: None
NCAA Clearinghouse: Approved

Credit: 2
Semester: Year
Weighted Grade see page 9

Course Description

Advanced Placement Psychology is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Only students who are willing to accept the challenge of a rigorous academic curriculum will be considered for enrollment. The goal of this AP class is to provide a learning experience equivalent to that obtained in most introductory psychology courses offered at Iowa colleges and universities.

Upon completion of the course, the student will have the option of paying to take the AP Exam in Psychology. If their test score warrants and the college they are applying to will accept the test score, the appropriate number of semester hours of college credit will be given to the student.

Mathematics Course Numbers

Class	Semester 1	Semester 2	Year/ Semester	Available
Pre-Algebra I	3000	3005	Year	9-10
Pre-Algebra II	3010	3015	Year	9-10-11
Algebra I Essentials	3160	3165	Year	9-10-11-12
Algebra I	3040	3045	Year	9-10-11
General Math A*	3050		Sem	11-12
General Math B*		3055	Sem	11-12
Applied Mathematics I/DMACC MAT #772 *&~	3060		Sem	11-12
Applied Mathematics II/DMACC MAT #773*&~		3065	Sem	11-12
Geometry*	3070	3075	Year	10-11-12
Advanced Geometry*	3080	3085	Year	9-10-11-12
Algebra II *	3090	3095	Year	10-11-12
Advanced Algebra II*	3100	3105	Year	9-10-11-12
College Algebra/DMACC MAT #121*&~	3170	3175	Sem	10-11-12
Statistics/DMACC MAT #157 *&~	3120	3125	Sem	11-12
Finite Math/DMACC MAT #141*&~	3110	3115	Sem	11-12
Trigonometry/Pre-Calculus*	3130	3135	Year	9-10-11-12
Advanced Placement Calculus AB/DMACC MAT #211*&~	3140	3145	Year	10-11-12
Advanced Placement Calculus BC/DMACC MAT #217*&~	3150	3155	Year	11-12

*Prerequisite for course
~DMACC Credit Class

MATH

6 Semester Credits Required

Advanced Pathway

Advanced Geometry

Advanced Algebra II

Trigonometry
Pre-Calculus

Finite Math

AP Calc AB

Statistics

AP Calc BC

College Readiness Pathway

Algebra I

Adv Geometry

Adv Algebra II

Finite Math

College
Algebra

Algebra I
Essentials

Geometry

Algebra II

Statistics

Appl Math

College/ Vocational Pathway

Algebra I
Essentials

Geometry

Applied Math

General Math

*Pre-Alg I/II
*by
recommendation
only

Math Course Narrative

Pre-Algebra 1 and 2 are not high school level electives and are only open to those placed by counselor, instructor, or special education teacher.

Algebra I and Geometry courses may not be taken concurrently. Geometry and Algebra II courses may be taken concurrently with instructor and counselor approval, but consideration should be given to readiness and the amount of time and work required. No higher level course for which Algebra II is a pre-requisite may be taken concurrently with Algebra II.

Finite Math and Trig/Pre-Calculus require strong algebra skills. Students must have achieved a C- or better in Advanced Algebra II to enroll in these courses.

College-bound students are encouraged to remain in the higher pathway (Algebra I > Advanced Geometry > Advanced Algebra II) if possible. These courses provide the best preparation for college level work. College-bound students are encouraged to take four years of mathematics coursework, because a year without a math class can cause enough loss of skills to result in the need for remedial coursework in college.

The majority of 9th grade students who have successfully completed a Pre-Algebra course should be placed in Algebra I. Algebra I Essentials is intended for students who will need additional support and review of Pre-Algebra topics to be successful in grade-level mathematics. Algebra I Essentials will cover the majority of the Algebra I topics and is the first-year course on the lower pathway (Algebra I Essentials > Geometry > Algebra II).

9th grade students who have successfully completed Algebra I should not be placed in Geometry (or Algebra II if Geometry has been successfully completed.) These students are ahead of grade level and should take Advanced Geometry or Advanced Algebra II.

Students taking a DMACC math course will need to meet the required score on the ALEKS assessment (or a score of C- or higher in the pre-requisite DMACC course) before enrolling in the course. ALEKS scores (and pre-requisite grades) from 18 months prior to the date of enrollment are accepted for enrollment.

Applied Math courses earn DMACC credit, but that credit generally does not transfer as math credit at a four-year college. Students are encouraged to check with their guidance counselor or admissions representative before enrolling in this course to make sure the credit will be a useful one for their intended degree path.

General Mathematics A and B are not college preparatory courses and may only be taken by students who are juniors or seniors, have already completed at least 4 credits in the core sequence, and are placed in the course by counselor or instructor.

■ Pre-Algebra I

Grade: 9-10
Prerequisite: None
NCAA Clearinghouse: Not Approved

Credit: 2
Semester: Year

Course Description

Pre-Algebra I is a full-year preparatory course in mathematics designed to remediate gaps in pre-requisite skills and prepare students for success in Algebra I. Topics include numeration concepts, integer operations, calculation with fractions and decimals, measurement, problem-solving, and applications of basic math skills. This is a remedial course and is only available to students placed by counselor or teacher recommendation.

■ Pre-Algebra II

Grade: 9-10-11
Prerequisite: None
NCAA Clearinghouse: Not Approved

Credit: 2
Semester: Year

Course Description

Pre-Algebra II is a full-year integrated mathematics course designed to prepare students for success in Algebra I and Geometry. Topics include number systems, integer operations, calculation with fractions and decimals, measurement, geometric shapes, proportion, and solving simple algebraic equations. This is a remedial course and is only available to students placed by counselor or teacher recommendation.

■ Algebra I Essentials

Grade: 9-12
Prerequisite: None
NCAA Clearinghouse: Not Approved

Credit: 2
Semester: Year

Course Description

Algebra I Essentials is a full-year course in algebra with emphasis on development of abstract mathematical thought and application of algebraic concepts. Topics include variables, functions, graphs, linear and quadratic equations, inequalities, and polynomials.

■Algebra I

Grade:..... 9-11
Prerequisite:None
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

Algebra I is a full-year course in algebra designed to prepare students for success in Geometry, Algebra II and higher coursework. Topics include variables, functions, graphs, linear and quadratic equations, inequalities, and polynomials.

■General Math A

Grade:..... 11-12
Prerequisite: Geometry
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First

Course Description

General Math A is intended as a terminal course for senior and junior students who need additional credit in mathematics. The course is not intended to advancement in the core sequence. Students should have completed at least 4 credits in mathematics before enrolling in this course. Topics include reasoning and problem solving, set theory, Venn diagrams, symbolic logic, numeration, binary arithmetic, number systems, and linear equations and inequalities.

■General Math B

Grade:..... 11-12
Prerequisite: Geometry
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: Second

Course Description

General Math B is intended as a terminal course for senior and junior students who need additional credits in mathematics. The course is not intended for advancement in the core sequence. Students should have completed at least 4 credits in mathematics before enrolling in this course. Topics include percentages, tax, interest, measurement, geometric figures and properties, counting methods, probability, measures of central tendency and dispersion, symmetry, and vertex-edge graphs. General Math A is **not** a pre-requisite for taking General Math B.

■ Applied Mathematics I/DMACC MAT #772*

Grade:..... 11-12
Prerequisite: Geometry
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First

Course Description

This is a course in elementary mathematical skills for technicians. Topics covered include fundamental operations with whole numbers, fractions, decimals, and signed numbers, percents, geometric figures and basic constructions, area and volume formulas, English/Metric systems, measurements, and the interpretation of graphs and charts. **Students taking concurrent enrollment courses must take the course for college credit. Students taking a DMACC Math course for concurrent enrollment credit will need to meet the required score of 30% on the ALEKS Assessment to enroll in the course. Students who have earned a C- or higher in a pre-requisite DMACC math course within the previous 18 months from the date of enrollment will be exempt. If the class is dropped for DMACC credit it will also be dropped for high school credit. Students enrolling in this course are encouraged to check with their college admissions counselor regarding transfer of credit.**

College credit will be given from DMACC upon successful completion of this course.

*DMACC MAT #772

3 Credits

■ Applied Mathematics II/DMACC MAT #773*

Grade:..... 11-12
Prerequisite: Applied Mathematics I
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: Second

Course Description

This is a course in applied algebra and trigonometry for technicians. Topics covered include polynomials, equations, systems of linear equations, factoring, quadratic equations, trigonometry, powers, roots, and logarithms. Applied Mathematics II is an applied, upper level math course covering topics normally included in second year algebra courses. **Students taking concurrent enrollment courses must take the course for college credit. Students taking a DMACC Math course for concurrent enrollment credit will need to meet the required score of 30% on the ALEKS Assessment to enroll in the course. Students who have earned a C- or higher in a pre-requisite DMACC math course within the previous 18 months from the date of enrollment will be exempt. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit. Students enrolling in this course are encouraged to check with their college admissions counselor regarding transfer of credit.**

College credit will be given from DMACC upon successful completion of this course.

*DMACC MAT #773

3 Credits

■Geometry

Grade:..... 10-12
Prerequisite: Algebra I Essentials or Algebra I
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

Geometry is a full-year course in applied geometry, with integration of additional topics in algebra. Topics include geometric figures, graphing, proportion, angles, triangles, circles, polygons, polyhedrons, similarity and congruence, area, surface area, and volume.

■Advanced Geometry

Grade:..... 9-12
Prerequisite: Algebra I or Advanced Algebra I
NCAA Clearinghouse: Not Approved

Credit:2
Semester: Year

Course Description

This course is a full-year course in formal geometry and logical reasoning designed to prepare students for advanced coursework in mathematics. Students will explore development of mathematical systems and use logical argument to write proofs of geometric theorems. Topics include geometric figures, angles, triangles, circles, polygons, polyhedrons, similarity and congruence, area, surface area, and volume.

■Algebra II

Grade:..... 10-12
Prerequisite: Geometry
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

Algebra II is a general second-year algebra course for students not planning to pursue advanced study in mathematics. Topics include linear and quadratic equations, factoring, linear systems, polynomials, rational functions, exponents and logarithms, matrix operations, and graphing.

■Advanced Algebra II

Grade:..... 9-12
Prerequisite: Advanced Geometry
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

Advanced Algebra II is a second-year algebra course designed for students planning to pursue advanced study in mathematics. Topics include linear and quadratic equations, factoring, linear programming, polynomials, rational functions, exponents and logarithms, matrix operations, and graphing. This course places emphasis on the development of mathematical systems and preparation for trigonometry and calculus.

■College Algebra/DMACC MAT #121*

Grade:..... 10-12
Prerequisite:Algebra II or Adv Algebra II
NCAA Clearinghouse:Approved

Credit: 1
Semester: First or Second

Course Description

College Algebra is a third-year algebra course that provides an intense study of algebraic techniques and prepares students for future study in mathematics. The central theme of this course is the concept of a function and its graph. Topics include functions, exponents, logarithms, systems of equations, matrices, polynomials, conic sections, and probability. **Students taking concurrent enrollment courses must take the course for college credit. Students taking a DMACC Math course for concurrent enrollment credit will need to meet the required score of 30% on the ALEKS Assessment to enroll in the course. Students who have earned a C- or higher in a pre-requisite DMACC math course within the previous 18 months from the date of enrollment will be exempt. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit. Students enrolling in this course are encouraged to check with their college admissions counselor regarding transfer of credit. This course may transfer as an elective credit.**

College credit will be given from DMACC upon successful completion of this course.

*DMACC MAT #121

4 Credits

■Statistics/DMACC MAT #157*

Grade:..... 11-12
Prerequisite:Algebra II or Adv Algebra II
NCAA Clearinghouse:Approved

Credit: 1
Semester: First or Second

Course Description

Statistics in an introductory course in probability and statistics. Topics include tabular and graphical presentation, measures of central tendency and variability, standard elementary procedures involving the binomial, normal, Student's T, chi-square, and F distributions, correlation, regression, analysis of variance and several nonparametric procedures. **Students taking concurrent enrollment courses must take the course for college credit. Students taking a DMACC Math course for concurrent enrollment credit will need to meet the required score of 30% on the ALEKS Assessment to enroll in the course. Students who have earned a C- or higher in a pre-requisite DMACC math course within the previous 18 months from the date of enrollment will be exempt. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC upon successful completion of this course.

*DMACC MAT #157

4 Credits

■Finite Math/DMACC MAT #141*

Grade:..... 11-12
Prerequisite: Algebra II or Advanced Algebra II
NCAA Clearinghouse:Approved

Credit: 1
Semester: First or Second

Course Description

This is a general course in practical mathematics for students not intending to major in math or science. Topics covered in this class include set operations and applications, methods of counting, probability, systems of linear equations, matrices, geometric linear programming, and an introduction to Markov chains. **Students taking concurrent enrollment courses must take the course for college credit. Students taking a DMACC Math course for concurrent enrollment credit will need to meet the required score of 30% on the ALEKS Assessment to enroll in the course. Students who have earned a C- or higher in a pre-requisite DMACC math course within the previous 18 months from the date of enrollment will be exempt. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC upon successful completion of this course.

*DMACC MAT #141

4 credits

■Trigonometry/Pre-Calculus

Grade:..... 9-12
Prerequisite:C- or better in Adv Alg II or College Alg
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

Trigonometry/Pre-Calculus is intended to provide mathematical background to prepare students for a first-year college calculus course. Topics include vectors, logarithms, trigonometry, analytic geometry, complex numbers, and functions and their graphs.

■Advanced Placement Calculus AB/DMACC MAT #211*

Grade:..... 10-12
Prerequisite: C- or better in Trig/Pre-Calculus
NCAA Clearinghouse:Approved

Credit:2
Semester: Year
Weighted Grade:.....see page 9

Course Description

Calculus AB is a one-year first course in calculus. Topics include an introduction to limits, continuity, differentiation, applications of the derivative, definite and indefinite integrals, numerical integration, exponential and logarithmic functions, other transcendental functions, and an introduction to differential equations. **Students taking concurrent enrollment courses must take the course for college credit. Students taking a DMACC Math course for concurrent enrollment credit will need to meet the required score of 30% on the ALEKS Assessment to enroll in the course. Students who have earned a C- or higher in a pre-requisite DMACC math course within the previous 18 months from the date of enrollment will be exempt. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC upon successful completion of this course.

***DMACC MAT #211**

5 credits

Upon completion of the course, the student will be given the option of paying to take the AP Exam in Calculus. If their test score warrants and the college they are applying to will accept the test score, the appropriate number of semester hours of college credit will be given to the student.

■Advanced Placement Calculus BC/DMACC MAT #217*

Grade:..... 11-12
Prerequisite: C- or better in Calculus AB
NCAA Clearinghouse:Approved

Credit:2
Semester: Year
Weighted Grade:.....see page 9

Course Description

Calculus BC is a second-year course in calculus. Topics include applications of integration, integration techniques, L'Hopital's rule, improper integrals, infinite sequences, series, Taylor and MacLaurin series, the calculus of plane curves, parametric equations, and polar equations. **Students taking concurrent enrollment courses must take the course for college credit. Students taking a DMACC Math course for concurrent enrollment credit will need to meet the required score of 30% on the ALEKS Assessment to enroll in the course. Students who have earned a C- or higher in a pre-requisite DMACC math course within the previous 18 months from the date of enrollment will be exempt. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC upon successful completion of this course.

***DMACC MAT #217**

5 credits

Upon completion of the course, the student will be given the option of paying to take the AP Exam in Calculus. If their test score warrants and the college they are applying to will accept the test score, the appropriate number of semester hours of college credit will be given to the student.

Science Course Numbers

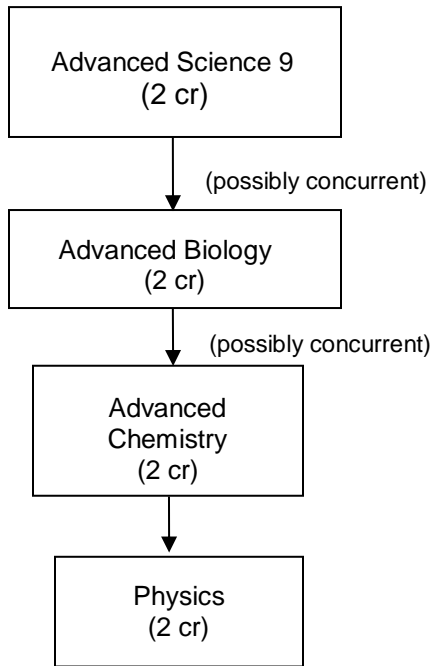
Class	Semester 1	Semester 2	Year/ Semester	Available
Science 9	4000	4005	Year	9
Advanced Science 9	4040	4045	Year	9
Biology*	4010	4015	Year	10
Advanced Biology*	4020	4025	Year	9-10
Physical Science*	4030	4035	Year	10-11-12
Chemistry*	4050	4055	Year	11-12
Advanced Chemistry*	4051	4056	Year	11-12
Advanced Placement Biology/DMACC*&~	4021	4026	Year	11-12
Advanced Placement Chemistry*	4060	4065	Year	11-12
Physics*	4070	4075	Year	11-12
Anatomy & Physiology*	4080	4085	Year	11-12
DMACC Anatomy & Physiology*&~	4081	4086	Year	11-12
Comparative Anatomy*	4090	4095	Sem	10-11-12
Forensic Science*	4120	4125	Sem	11-12
Animal Science^	9010		Sem	9-10-11-12
Horticulture^		9045	Sem	10-11-12

***Prerequisite for course**
^Course will be offered as science elective credit
~DMACC Credit Class

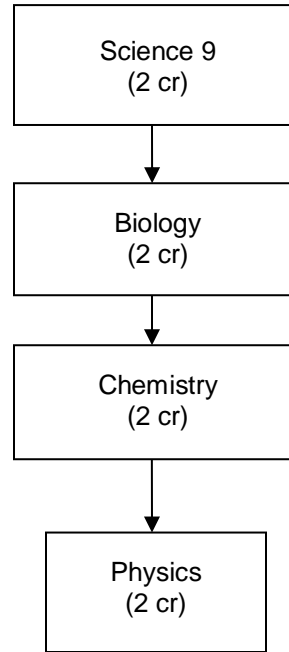
Science

6 semester credits required

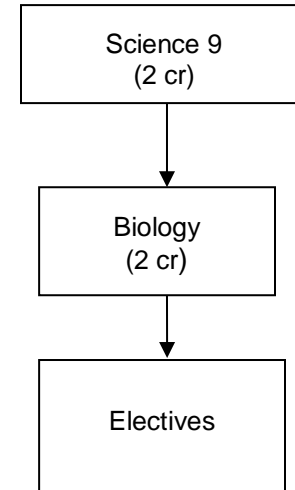
Advanced Pathway



College Readiness Pathway



College/Vocational Pathway



Electives

Anatomy/Physiology (2 cr)
DMACC Anatomy/Physiology (2 cr)
Advanced Chemistry (2 cr)
AP Chemistry (2 cr)
AP Biology/DMACC (2cr)

Physical Science (2 cr)
Forensics (1 cr)
Comparative Anatomy (1 cr)

Science Course Narrative

All 9th graders will be placed in Science 9 and will proceed through the core sequence of the student's chosen pathway from that point.

Students will progress through the chosen pathway as long as courses are completed successfully.

Students who fail Science 9/Advanced Science 9 (either semester) will repeat the course.

** Other Options: Summer school or Odyssey recovery

Students who fail Biology/Advanced Biology (either semester) will repeat the course.

** Other Options: Summer school or Odyssey recovery

Students who fail Chemistry/Advanced Chemistry first semester will be dropped for second semester. During second semester, students may be considered for Odyssey credit or repeat the course.

Students who fail Chemistry second semester will repeat the semester or substitute a year of Physical Science to fulfill graduation requirements and the Next Generation Science Standards.

Students who fail Physical Science (either semester) will repeat the course to fulfill graduation requirements and the Next Generation Science Standards.

** Other Options: Summer school or Odyssey recovery

Students who fail Physics first semester will be dropped for second semester. During second semester, students will repeat the course.

Students who fail Physics second semester will repeat the semester to fulfill graduation requirements and the Iowa Core Curriculum.

■Science 9

Grade:..... 9
Prerequisite:None
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

This course will be a required course for all freshmen students. The course is designed for students to gain fundamental skills and knowledge in many areas of science including scientific measurement, inquiry, chemistry, physics, earth science and environmental science. Students will observe the physical world around them including concepts such as atomic structure, chemical bonding, chemical reactions, the formation and structure of the universe, motion, force, simple machines, the laws of physics and energy concepts.

■Advanced Science 9

Grade:..... 9
Prerequisite: proficient scores on placement testing
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

Ninth Grade Science is a required course for all freshmen students. Advanced Science 9 is a rigorous course, conceived for the enthusiastic science student who is ready for an extra challenge. Students learn about the physical world and tackle topics such as matter, energy, atoms, motion, formation and structure of the universe, and the other aspects of chemistry and physics. Practical, hands-on lesson activities help students discover how scientists investigate the living world. Students perform laboratory activities and a full unit investigation to learn about the application of scientific methods.

■Biology

Grade:..... 10
Prerequisite: Science 9
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

Biology is a laboratory science course that covers the study of living things and fulfills the required life science graduation credit. Biology focuses on the study of life by examining five fundamental concepts of ecology, biochemistry, the cell, genetics and change in organisms through time. The scientific process and laboratory skills are emphasized along with biology's connections to other scientific disciplines. Students learn scientific writing skills and also examine current biological issues. The foundation of the class is based on the Next Generation Science Standards.

■Advanced Biology

Grade: 10
Prerequisite: proficient scores on placement testing
NCAA Clearinghouse: Approved

Credit: 2
Semester: Year

Course Description

This course is designed for students who want to be challenged and take more in depth look at Biology. Advanced Biology is an advanced laboratory science course that covers the study of living things and fulfills the required life science graduation credit. Advanced Biology focuses on the study of life by examining five fundamental concepts of ecology, biochemistry, the cell, genetics and change in organisms through time. The scientific process and laboratory skills are emphasized along with biology's connections to other scientific disciplines. Students learn scientific writing skills and also examine current biological issues. The foundation of the class is based upon the Next Generation Science Standards.

■Physical Science

Grade: 11-12
Prerequisite: Science 9
NCAA Clearinghouse: Approved

Credit: 2
Semester: Year

Course Description

This course is designed for those students taking their third year of science and not planning on taking both Chemistry and Physics. This course will teach students about the physical world around them and give them the tools to understand it. This course will have an emphasis on the subjects of Chemistry and Physics and Earth Science topics. Topics and concepts covered include: the nature of science, matter, the periodic table, chemical bonding and reactions, solutions, motion, forces, work, power, machines, temperature, energy, heat, waves, light, sound, electricity, circuits, and magnetism.

■Chemistry

Grade: 11-12
Prerequisite: student has completed Algebra I
NCAA Clearinghouse: Approved

Credit: 2
Semester: Year

Course Description

Chemistry is designed for those students planning to attend college who have not taken Advanced Science 9 and Advanced Biology. The central theme of the course is the basic principle that the properties of matter are a consequence of the structure of matter. Topics of study include: measurement, lab techniques and lab design, states of matter, gas laws, the periodic table, atomic structure, chemical formulas, chemical reactions, stoichiometry, limiting reactants, acids and bases. Many quantitative and qualitative experiments are performed.

■Advanced Chemistry

Grade:..... 11-12
Prerequisite:Algebra I
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

Advanced Chemistry is designed for students who plan on majoring in a science related field upon graduation. This course will examine many of the same topics as General Chemistry but in a deeper manner with a more quantitative approach to these topics. Topics of study in both general and advanced chemistry include: measurement, lab techniques and lab design, states of matter, gas laws, the periodic table, atomic structure, chemical formulas, chemical reactions, stoichiometry, limiting reactants, and acids and bases. Additional topics covered in advance chemistry will include thermochemistry and reaction kinetics. Strong math skills will be important for success in this course. Students should have completed Algebra I before taking this course.

■Advanced Placement Biology/DMACC

Grade:..... 11-12
Prerequisite:Advanced Biology, Chemistry,
Advanced Chemistry
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

Advanced Placement Biology/DMACC is a yearlong course that is designed to be taken by students after the successful completion of both high school biology and chemistry. Advanced Placement Biology/DMACC includes those topics regularly covered in a college introductory biology course and differs significant from the high school biology course with respect to the kind of textbook used, the range and depth of topics covered, the kind of laboratory work performed by students, and the time and effort required of the students. The textbook used by Advanced Biology/DMACC is also used by college biology majors and the kinds of labs done by AP/DMACC student are equivalent to those done by college students. There will be a required summer assignment and extra time outside of scheduled class to meet the required contact hours. The extra contact time will allow proper time for college lab work. Advanced Placement Biology/DMACC is a course that aims to provide students with the conceptual frame work, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. **Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC upon successful completion of this course.

***DMACC BIO 112 and BIO 113**

Upon completion of the course, the student will have the option of paying to take the AP Exam in Biology. If their test score warrants and the college they are applying to will accept the test score, the appropriate number of semester hours of college credit will be given to the student.

■Advanced Placement Chemistry

Grade:..... 11-12
Prerequisite: Algebra II & Chemistry
NCAA Clearinghouse:Approved

Credit:2
Semester: Year
Weighted Grade:.....see page 9

Course Description

This course is designed for students who have completed one year of chemistry and who are planning on majoring in a science or science-related field in college such as engineering, pre-vet, pre-med, pre-dental or pre-physical therapy. A sound understanding of general chemistry and strong math skills are needed for this class. The class focuses on a more in-depth study of general chemistry topics such as atomic structure, chemical bonding, states of matter, and stoichiometry. Additional topics of study include solutions, acids and bases, reaction rates, equilibrium, thermodynamics, and electrochemistry.

Upon completion of the course, the student will have the option of paying to take the AP Exam in Chemistry. If their test score warrants and the college they are applying to will accept the test score, the appropriate number of semester hours of college credit will be given to the student.

■Physics

Grade:..... 11-12
Prerequisite: must have Algebra I, Algebra II, Geometry and it is strongly recommended student be currently enrolled in Trig/Pre-Calculus
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

Physics is designed for the student intending to pursue studies in engineering, technology, and science-related areas such as astronomy, architecture, systems analysis, metallurgy, pharmacy, nursing, medicine, environmental science, health and safety, physics, and chemistry. The goal of this course is to foster a deep understanding of the fundamental ideas in physics. Extended laboratory experiences will develop high-level skills in critical thinking, reasoning, problem-solving, and mathematics. Students will study motion, forces, momentum, energy, thermodynamics, waves, sound, optics, electricity, and magnetism.

■Anatomy and Physiology

Grade:..... 11-12
Prerequisite: Chemistry
NCAA Clearinghouse:Approved

Credit:2
Semester: Year

Course Description

This rigorous college-preparatory elective science course includes a detailed study of many human body systems. Homeostatic balance, the relationship between structure and function, and the interrelationships between body systems are a focus throughout the course. This course is recommended for students interested in a health-related career, especially those students who plan to study medicine, nursing, physical therapy, and athletic training. The course may also be helpful for those students who plan to enter education as either a life-science or physical education teacher. Laboratory activities will include several microscopic analyses of tissue specimens as well as several dissections to accompany the subject matter.

■DMACC Anatomy and Physiology

Grade:..... 11-12 **Credit:** 2
Prerequisite: Biology/Advanced Biology, Chemistry/Advanced Chemistry
(grade no lower than a C in each).
NCAA Clearinghouse: Approved
Semester: Year

Course Description

DMACC Anatomy and Physiology is a two semester class that is equivalent to Biology 168 and Biology 173 at DMACC. Each semester covers a set number of topics. Students must successfully complete the first semester with a grade no lower than a C in order to take second semester.

Anatomy and Physiology I topics include the structure and function of the human body from the cellular level to organ systems. Top at the cellular level include the fundamental basics of chemistry, cell structure and cellular metabolism, genetics, and histology. The organ systems studied are the skin and integumentary system, the skeletal and muscular systems, the nervous system, and the senses. Lecture and lab must be taken concurrently.

Anatomy and Physiology II is a continuation of Anatomy & Physiology I. The following organ systems are covered: the endocrine system, blood and the cardiovascular system, the lymphatic system and immunity, the respiratory system, the urinary system, the digestive system including nutrition and the reproductive system. Other topics included in the course are the body's balance of water, electrolytes, and acids and bases and an introduction to human growth and development. Lecture and lab must be taken concurrently.

The courses include those topics regularly covered in a college human anatomy and physiology course and differs significantly from the high school human anatomy and physiology course with respect to the kind of textbook used, the range and depth of topics covered, the kind of laboratory work performed by students, and the time and effort required of the students. The textbook used by DMACC Anatomy and Physiology is also used by college biology majors and the kinds of labs done by DMACC Anatomy and Physiology students are equivalent to those done by college students. There will be a required summer assignment and extra time outside of scheduled class to meet the required contact hours. The extra contact time will allow proper time for college lab work. DMACC Anatomy and Physiology is a course that aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of the human body. **Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC upon successful completion of this course.

***DMACC BIO 168 and BIO 173 8 credits (each course at DMACC is 4 hours)**

■Comparative Anatomy

Grade:..... 10-12 **Credit:** 1
Prerequisite: Currently enrolled in Biology or Advanced Biology **Semester:** First or Second
NCAA Clearinghouse: Approved

Course Description

This course is designed for the student that plans on majoring in one of the sciences, especially if in a biological field. This class will take a look at living organisms that were not covered in the Biology and Advanced Biology. Students will spend time comparing the structure and lifestyle of the five kingdoms. Heavy emphasis will be put on invertebrate and vertebrate structure and the evolutionary link between the two. The student will do extensive lab work and dissections.

■Forensic Science

Grade:..... 11-12
Prerequisite:Biology & Chemistry
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First or Second

Course Description

Forensic science is the use and application of science, the scientific method, and scientific tools to aid the judicial and court systems. The class involves the history of forensics, blood typing, analyzing the crime scene and physical evidence, physical analysis of the physical evidence, and fingerprinting. The course uses lectures, demonstrations, and labs to convey these principles. The assessments include homework, quizzes, tests, and lab sheets.

■Animal Science

Grade:..... suggested 9-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First

Course Description

Students will learn about the value and utilization of animals in our lives. Instructional units include: The Industry of Animal Science, Animal Nutrition, Animal Digestion, Animal Physiology, Animal Reproduction, Animal Selection, and Animal Health and Management. FFA and SAE are intra-curricular parts of this class. **Course will be offered as science elective credit.**

■Horticulture

Grade:.....suggested 9-10-11-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester:Second

Course Description

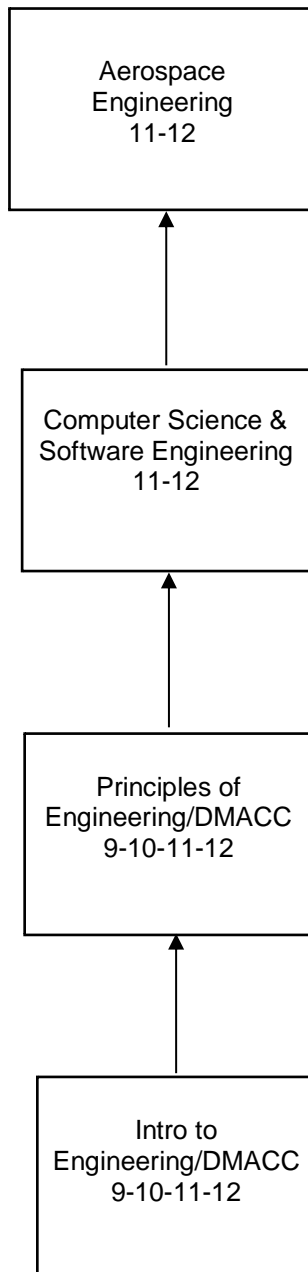
Students will identify opportunities in horticulture, grow horticultural crops, manage a greenhouse and operate a school-based enterprise. Instructional units include: opportunities in horticulture, greenhouse management and technology, plant propagation and growth, soils and growing media, plant protection, floriculture, landscaping, integrated pest management and greenhouse maintenance. FFA and SAE are intra-curricular parts of the class. **Course will be offered as science elective credit.**

Elective Course Numbers Project Lead The Way

Intro to Engineering Design/ DMACC EGT #400 *&~	4110	4115	Year	9-10-11-12
Principles of Engineering/ DMACC EGT #410 *&~	4111	4116	Year	9-10-11-12
Computer Science & Software Engineering*	4112	4117	Year	11-12
Aerospace Engineering*	4113	4118	Year	11-12

*Prerequisite for course
~DMACC Credit Class

PLTW - ELECTIVE COURSE FLOW CHART



■Introduction to Engineering Design (IED)/DMACC EGT #400

Grade: 9-12 Credit: 2
 Prerequisite: Algebra I Semester: Year
 NCAA Clearinghouse: Not Approved

Course Description

This first year Project Lead the Way course is designed primarily for 9th or 10th grade students. The major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer’s notebook and communicate solutions to peers and members of the professional community. The major focus of the Introduction to Engineering Design (IED) course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. This course may be used to fulfill technology credit. **Students taking concurrent enrollment courses must take the course for college credit. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC upon successful completion of this class.

*DMACC EGT #400 3 credits

■Principles of Engineering (POE)/DMACC EGT #410

Grade: 9-12 Credit: 2
 Prerequisite: Algebra I with IED recommendation Semester: Year
 NCAA Clearinghouse: Not Approved Weighted Grade: see page 9

Course Description

This second year Project Lead the Way course is designed primarily for 10th or 11th grade students. This survey course exposes students to major concepts they’ll encounter in a post-secondary engineering course of study. Students have an opportunity to investigate engineering and high-tech careers and to develop skills and understanding of key concepts. Topics include mechanisms, energy, statics, materials and kinematics. Students develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions. This course may be taken to fulfill technology credit. **Students taking concurrent enrollment courses must take the course for college credit. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC upon successful completion of this class.

*DMACC EGT #410 3 credits

■Computer Science and Software Engineering (CSE)

Grade:..... 11-12
Prerequisite: IED and POE
NCAA Clearinghouse: Not Approved

Credit:2
Semester: Year
Weighted Grade:.....see page 9

Course Description

Computer Science and Software Engineering (CSE) is a new PLTW course being offered. Students work in teams to develop computational thinking and problem solving skills. The course covers the College Boards' new CS Principles framework. The Course does not aim to teach mastery of a single programming language but aims instead to develop computational thinking, to generate excitement about the field of computing and to introduce computational tools that foster creativity. This course also aims to build students' awareness of the tremendous demand for computer specialists and for professionals in all fields. Each unit focuses on one or more career paths in the computer science and engineering professions. The course also aims to engage students to consider issues raised by the present and future societal impact of computing.

Students practice problem solving with structured activities and progress to open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Problems aim for ground-level entry with no ceiling so that all students can successfully engage the problems. Students with greater motivation, ability, or background knowledge will be challenged to work further.

■Aerospace Engineering (AE)

Grade:..... 11-12
Prerequisite: IED and POE
NCAA Clearinghouse:Not Approved

Credit:2
Semester: Year
Weighted Grade:.....see page 9

Course Description

Aerospace Engineering explores the evolution of flight, navigation and control, flight fundamentals, aerospace materials, propulsion, space travel, and orbital mechanics. In addition, this course presents alternative applications for aerospace engineering concepts. Students analyze, design, and build aerospace systems. They apply knowledge gained throughout the course in a final presentation about the future of the industry and their professional goals. This course is designed for 11th or 12th grade students. This course may be taken to fulfill technology credit.

Fine Arts Course Numbers - Music

Class	Semester 1	Semester 2	Year/ Semester	Available
Choir 9 – Bass Choir	5000	5005	Sem/Year	9
Choir 9 – Treble Choir	5001	5006	Sem/Year	9
Choir 10 – Choraliers	5010	5015	Sem/Year	10
Concert Choir 11-12	5040	5045	Sem/Year	11-12
A Cappella Choir **	5060	5065	Year	10-11-12
Band 9-12	5170	5175	Year	9-10-11-12
Color Guard	5110		Sem	9-10-11-12
Orchestra	5130	5135	Year	9-10-11-12
Music Theory I/ DMACC MUS #106 *** & ~	5140		Sem	11-12
Music Theory II/ DMACC MUS #107 * & *** & ~		5155	Sem	11-12
Music History Appreciation/ DMACC MUS #100 **** & ~		5165	Sem	11-12

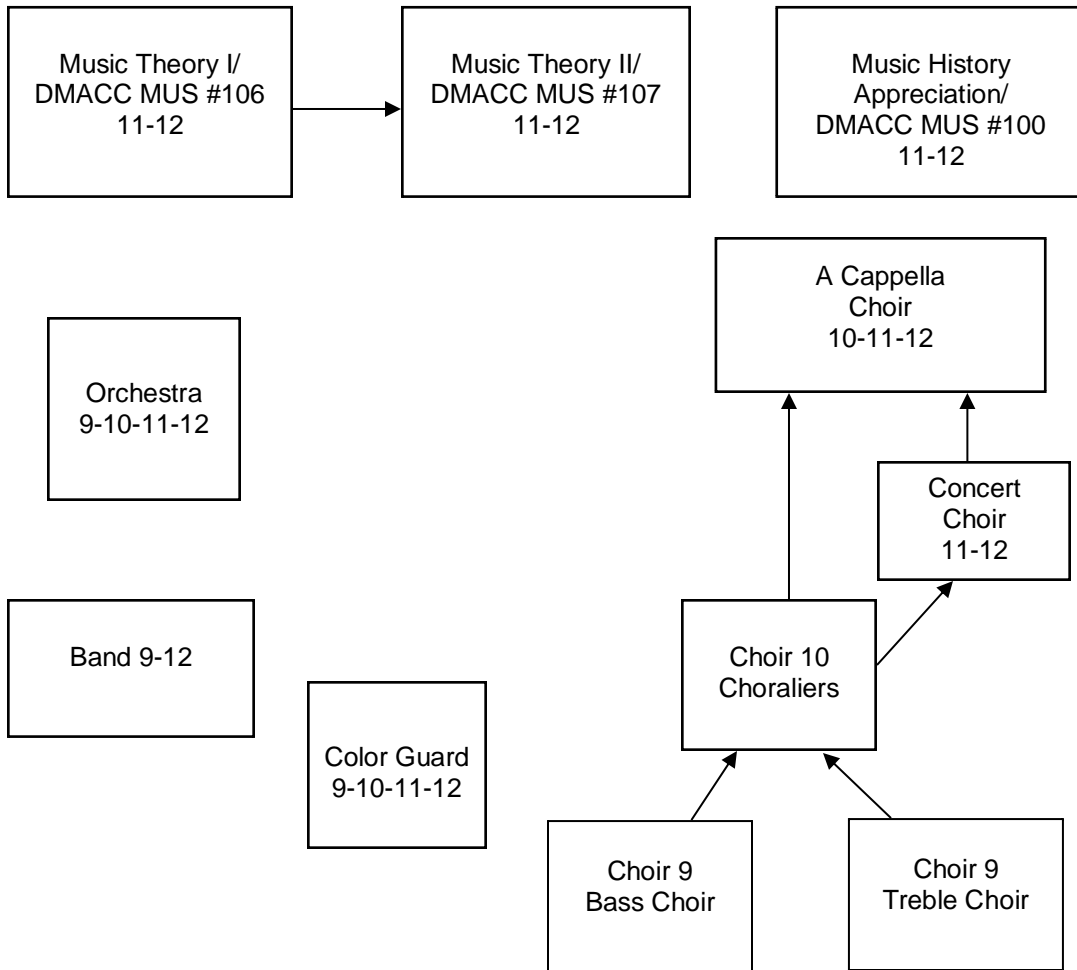
*Prerequisite for course
~ DMACC Credit Class

***Course will be offered 2018-2019 and 2020-2021

****Course will be offered 2019-2020 and 2021-2022

FINE ARTS—MUSIC COURSE FLOW CHART

Courses listed along the top are elective courses.



■Choir 9 – Bass Choir

Grade: 9
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1 or 2
Semester: First and/or Second

Course Description

Bass Choir is a non-auditioned group of male singers in the grade 9. Emphasis is placed on the development of proper singing technique during the male voice change. Students will be introduced to sight reading with solfege syllables and hand symbols.

Bass choir performs sacred and secular works from the Renaissance period through the present day. The choir performs at four Indianola High School concerts and at Iowa Music Large Group contest. Attendance at all performances are required and graded as part of the curriculum of this class.

Students may also wish to participate in other extra-curricular offerings within the vocal music department such as show choir, honor choirs, solo/ensemble state contest and other extra auditioned ensembles.

■Choir 9 – Treble Choir

Grade: 9
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1 or 2
Semester: First and/or Second

Course Description

Treble Choir is a non-auditioned group of female singers in the grade 9. Emphasis is placed on the development of proper singing technique for the female voice. Students will be introduced to sight reading with solfege, counting techniques and score analysis.

Students will perform sacred and secular works from the Renaissance period through the present day. The choir performs at four Indianola High School concerts and at Iowa Music Large Group contest. Attendance at all performances are required and graded as part of the curriculum of this class.

Students may also wish to participate in other extra-curricular offerings within the vocal music department such as show choir, honor choirs, solo/ensemble state contest and other extra auditioned ensembles.

■Choir 10 - Choraliers

Grade: 10
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1 or 2
Semester: First and/or Second

Course Description

This ensemble choir meets daily. Students are required to attend weekly voice lessons or attend voice seminars. The required performances include four concerts, vocal festivals as scheduled, and state large group contests. Optional opportunities include participation in Side One or Flip Side show choirs, college festivals, state small group/solo contest, concert spotlights, the spring musical, and community performances.

■ Concert Choir 11-12

Grade: 11-12
Prerequisite: None
NCAA Clearinghouse: Not Approved

Credit: 1 or 2
Semester: First and/or Second

Course Description

This ensemble choir meets daily. Students are required to attend weekly voice lessons or attend voice seminars. The required performances include four concerts, vocal festivals as scheduled, and state large group contests. Optional opportunities include participation in Side One or Flip Side show choirs, college festivals, state small group/solo contest, concert spotlights, the spring musical, and community performances.

■ A Cappella Choir

Grade: 10-12
Prerequisite: **Student Audition**
NCAA Clearinghouse: Not Approved

Credit: 2
Semester: Year

Course Description

This is an auditioned ensemble and enrollment in this course will require a high level of musicianship and dedication. The choir will rehearse daily and all members will be required to attend weekly voice lessons or attend voice seminars. Private vocal lessons outside of the school are highly encouraged for members. The required performances will include four concerts, vocal festivals, state small and large group contest, and various community functions as scheduled. Optional opportunities will include Side One or Flip Side show choirs, competitions, All-State auditions, college festivals, concert spotlights, solos, and the spring musical. Music from a variety of styles and time periods will be studied including chamber music, motets, madrigals, spirituals, and vocal jazz. Auditions will be held in May for the next school year.

■Band 9-12

Grade:..... 9-12

Credit:..... 2

Prerequisite: Previous experience playing an instrument,
or director approval following private less instruction

Semester: Year

NCAA Clearinghouse: Not Approved

First Quarter: *Marching Band*

Second Quarter: *Symphonic Band/Wind Ensemble*

Second Semester: *Symphonic Band/Wind Ensemble*

Course Description

All 9-12 band students will meet daily and will have a weekly lesson. Members should have participated in middle school or high school band. Those students that may have dropped out of band and wish to re-enroll must successfully audition. This performance-based course includes participation in marching band, concert band, formal concerts, contests and festivals. Marching band meets at 7 a.m. on Monday, Tuesday, Thursday and Fridays during the first nine weeks and rehearses through 1st period. At the conclusion of the marching band season, the marching band is split into two concert bands; the Wind Ensemble and Symphonic Band. Auditions will be held to determine proper placement and will be based on student ability. The Wind Ensemble will study band literature appropriate for upper high school and collegiate level bands. The Symphonic Band will study band literature for good developing high school bands. Enrollment in this course requires attendance at all pre-determined concerts, contests, and festivals. Students will be required to complete weekly lessons and do playing tests at various times throughout the year. Optional opportunities will include Jazz Band, Pep Band, All-State Music Festival, various honor bands, and State Solo/Ensemble Contest.

■Color Guard

Grade:..... 9-12

Credit:..... 1/2

Prerequisite: Auditions

Semester: Sem

NCAA Clearinghouse: Not Approved

Course Description

The color guard is an auditioned auxiliary group to the marching band. Color guard performs with the marching band at all performances. Audition and selection of students for the color guard will take place in May each year. Summer rehearsals and performances are required. The number of students selected for color guard is at the discretion of the directors. One half credit will be awarded for participation in color guard.

■Orchestra

Grade:..... 9-12

Credit:..... 2

Prerequisite: Middle School Orchestra or by audition

Semester: Year

NCAA Clearinghouse: Not Approved

Course Description

The Indianola High School Orchestra is a performance ensemble made up of orchestral string musicians in grades 9 – 12. Members should have participated in middle school orchestra through 8th grade. Students who have dropped orchestra but wish to re-enroll must successfully audition. The orchestra meets for daily rehearsals and students take a minimum of three individual or group technique lessons per quarter. Members of the ensemble have several performance opportunities, including formal concerts, festivals, and state large group contest. Students in the orchestra also participate in enrichment ensembles (past opportunities include bluegrass band, mariachi band, and pop/rock strings) based on student interest.

■ Music Theory I/DMACC MUS #106*

Grade: 11-12
Prerequisite: None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First in 2018-2019
..... and in 2020-2021

Course Description

This course will introduce and explore all aspects of music theory and aural training skills. Activities will include ear training, sight singing, basic keyboard identification, and written theory assignments. This course has the use of basic computer software available for the student to supplement their written and aural skills. The opportunity to study music theory is available to students who need it as a background for future careers in music, and also for those students who want to gain a better understanding of music for personal growth. **Students taking concurrent enrollment courses must take the course for college credit. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC upon successful completion of this class.

*DMACC MUS #106

4 credits

■ Music Theory II/DMACC MUS #107*

Grade: 11-12
Prerequisite: Music Theory I
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: Second in 2018-2019
..... and in 2020-2021

Course Description

As a sequel to Materials of Music I, this course will examine music theory in greater complexity and will emphasize the harmonic and compositional aspects of music. Activities will include ear training, sight singing, keyboard training, and written theory assignments. **Students taking concurrent enrollment courses must take the course for college credit. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC upon successful completion of this class.

*DMACC MUS #107

4 credits

■ **Music History Appreciation/DMACC MUS #100***

Grade:..... 11-12

Credit: 1

.....

Semester: Second in 2019-2020

NCAA Clearinghouse: Not Approved

.....2021-2022

Course Description

This course will describe a broad overview of the six major eras of music history (Middle Ages, Renaissance, Baroque, Classical, Romantic, and Twentieth Century) and their representative compositions. Within each era, the musical characteristics of the period and the musical elements of the period and how music, in general, evokes human emotional response. **Students taking concurrent enrollment courses must take the course for college credit. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC upon successful completion of this class.

***DMACC MUS #100**

3 credits

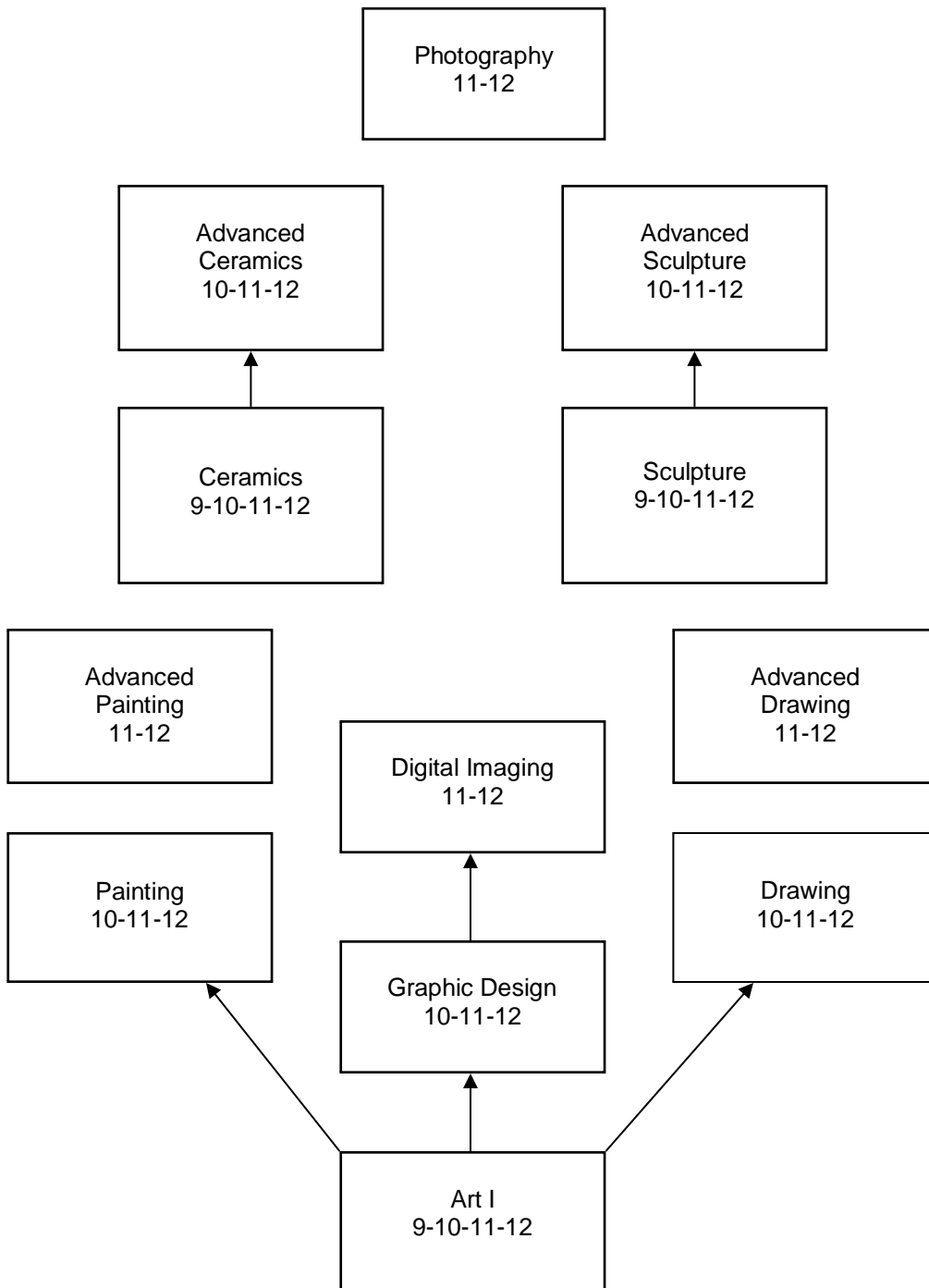
Fine Arts Course Numbers - Visual

Class	Semester 1	Semester 2	Year/ Semester	Available
Art I+	5300	5305	Year	9-10-11-12
Drawing*&+	5310		Sem	10-11-12
Advanced Drawing*&+	5320		Sem	11-12
Painting*&+		5335	Sem	10-11-12
Advanced Painting*&+		5345	Sem	11-12
Ceramics	5350	5355	Sem	9-10-11-12
Advanced Ceramics*	5360	5365	Sem	10-11-12
Sculpture	5370	5375	Sem	9-10-11-12
Advanced Sculpture*	5380	5385	Sem	10-11-12
Graphic Design+	5390	5395	Sem	10-11-12
Digital Imaging*&+		5405	Sem	11-12
Photography	5410	5415	Sem	11-12

*Prerequisite for course
*Some fees may apply to these classes

FINE ARTS—VISUAL COURSE FLOW CHART

Courses listed along the top are elective courses.



■Art I

Grade:..... 9-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 2
Semester: Year

Course Description

Students will study and produce studio work using art elements; the principles of design and composition, perspective, figure drawing, introduction to drawing media, charcoal, pen and ink, mounting, transparent watercolor, tempera the study of color and other art concepts using a variety of media and materials, and the study of art history, criticism and appreciation as it applies to their studio work. **Some fees may apply to this course.**

■Drawing

Grade:..... 10-12
Prerequisite:Art I
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First

Course Description

Students will explore drawing as a form of creative expression using macro drawing, micro drawing, drawing as an art in itself, using the right side of the brain, drawing as a preliminary to other art forms, gesture, contour, value, modeled and line drawing using a variety of subject matter, still life, landscape, and human figure drawing. Students will study and use a variety of media and materials such as pencil, charcoal, pastel, oil pastel, wash, pen and ink, watercolor, collage, and will learn matting, framing, and proper display of their work. All drawing students will participate in the preparation and display of their work for a gallery exhibition. **Some fees may apply to this course.**

■Advanced Drawing

Grade:..... 11-12
Prerequisite: Drawing
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First

Course Description

Students will explore drawing as a form of creative expression and as a preliminary to other art forms. Students will continue work with gesture, contour, value modeled and line drawing using a variety of subject matter, still life, landscape, and advanced human figure drawing. Students will study and use a variety of media and materials such as pencil, charcoal, pastel, oil pastel wash, pen and ink, watercolor, and will explore mixed media. Students will learn matting, framing, and proper display of their work. Students will also research artists whose work reflects styles, concepts, media or techniques relevant to their own work. All drawing students will participate in the preparation and display of their work for a gallery exhibition. **Some fees may apply to this course.**

■Painting

Grade:..... 10-12
Prerequisite:Art I
NCAA Clearinghouse: Not Approved

Credit: 1
Semester:Second

Course Description

Students will explore painting through both assigned and individual creative studio projects with an emphasis on work in acrylic painting, including construction of stretcher strips, painting support preparation, techniques in impasto, glazing, direct and indirect painting, framing and display, safety in the painting studio, art history in relation to painting, advanced painting techniques, the use of painting mediums, and the study of art forms, styles, and periods. Students will also study painting history from pre-history through the Renaissance. All painting students will participate in the preparation and display of their work for a gallery exhibition. **Some fees may apply to this course.**

■Advanced Painting

Grade:..... 11-12
Prerequisite: Painting
NCAA Clearinghouse: Not Approved

Credit: 1
Semester:Second

Course Description

Students will explore advanced creative painting techniques through a historical approach beginning with Romanticism through Modern Art. Students will also have the opportunity to select media in acrylic, watercolor and mixed media. Students will be assigned painting projects relevant to the individual student's proficiency, deficiencies, and intended direction of study including media, process, and/or subject matter, and concepts. Students will also research artists whose work reflect style, technique, intent or media relevant to their own work and will conclude their course work with an exhibit of their studio projects. **Some fees may apply to this course.**

■Ceramics

Grade:..... 9-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First or Second

Course Description

This course provides a comprehensive "hands on" introductory experience working with the clay medium. Specific importance is placed on the discovery process of finding ones unique sense of expression. The class will begin mainly focusing on hand building and then move onto wheel throwing methods of forming clay. There will be weekly reading assignments, quizzes, and demonstrations. The following problems will be assigned in this class: Introduction to Clay, Tile Series, Firing and Processing Clay, Introduction to the Potter's Wheel, Press Mold, Decorative Coil Vessel, Glazing and Kilns.

■Advanced Ceramics

Grade:..... 10-12
Prerequisite: Ceramics
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First or Second

Course Description

This course provides an opportunity for the student to explore in greater depth hand building and wheel throwing methods of forming clay. Specific importance is placed on the discovery process of finding ones unique sense of expression. There will be weekly reading assignments, quizzes and demonstrations. The following problems will be assigned in this class: Introduction to clay, Extruding Clay, Firing and Processing Clay, Reviewing the Potter's Wheel, Hard and Soft Slabs, Drape Mold/Platter Forms, Glaze Research and Kilns.

■Sculpture

Grade:..... 9-12
Prerequisite: None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First or Second

Course Description

This course provides a comprehensive “hands on” experience working mainly with clay medium. Specific importance is placed on the discovery process of finding ones unique sense of expression. The students will begin by creating a series of studies to develop modeling, carving and building skills with the goal of learning how to scale sculptures up in size. The following problems will be assigned in this class: Modeling, carving and assemblage studies in clay, Scaling up studies, Self Portrait, Narrative Sculpture, Alternative Firing and Glazing, Exploring New Mediums.

■Advanced Sculpture

Grade:..... 10-12
Prerequisite: Sculpture
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First or Second

Course Description

This course provides a comprehensive “hands on” experience working mainly with the clay medium. Specific importance is placed on the discovery process of finding ones unique sense of expression. The students will begin by creating a series of studies with the goal of scaling up a study. The following problems will be assigned in this class: studies in clay, Making Studies Larger in Scale, Sculptural Forms, Non Clay Combined Sculpture.

■Graphic Design

Grade:..... 10-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First or Second

Course Description

This course is an introduction to the world of graphic design and its processes for commercial art and pre-press work for publication. Students will design and create layouts, advertisements, magazine covers, logos, stationary, brochures, flyers and other forms of commercial art and graphics. Students will be introduced to and create original work using computer graphics, digital photography, photo enhancement and computer layouts and illustration using Adobe PhotoShop, Adobe Illustrator, Adobe InDesign, and Microsoft Word. **Some fees may apply to this course.**

■Digital Imaging

Grade:..... 11-12
Prerequisite: Graphic Design
NCAA Clearinghouse: Not Approved

Credit: 1
Semester:Second

Course Description

Digital Imaging students will work with a variety of images created through digital devices such as digital cameras; scanners and other computer imported and exported images. Students will concentrate on digital photography from both a fine art and commercial approach, develop and use an image management system for filing and retrieving his/her creative work, use Adobe PhotoShop to both enhance and create digital alterations for graphics, advertisements and fine art work. **Some fees may apply to this course.**

■Photography

Grade:..... 11-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First or Second

Course Description

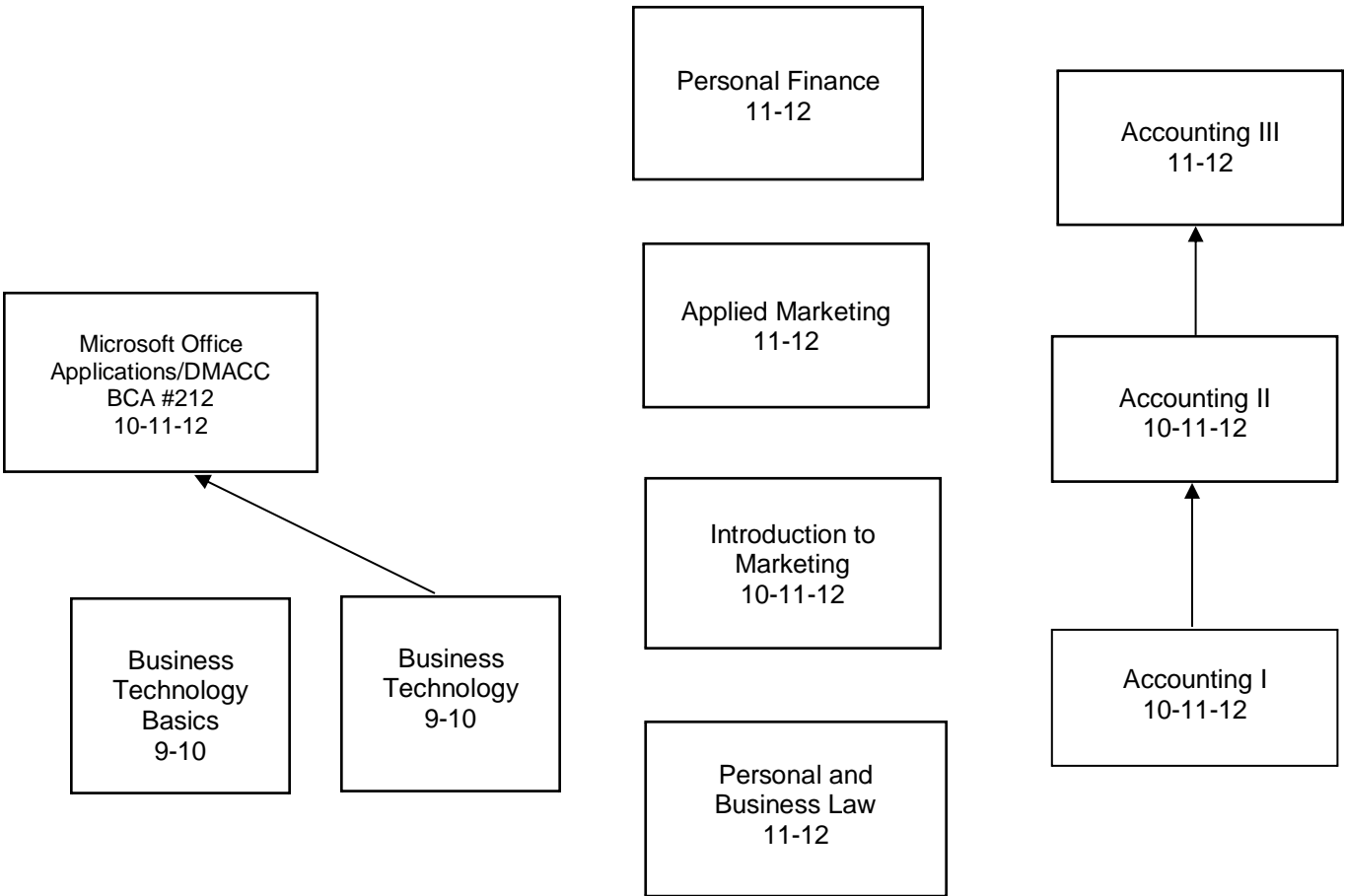
Photography is an entry-level course designed to teach students photography as an art form. Students will study the photographic process, use cameras and film; composing and taking photos; elements of good photographic design; developing film, make proof sheets; make test strips and enlargements, dark room-produced special effects; complete assignments designed to teach how to use the camera and learn to see with their camera, mount and display their work.

Computer and Business Education Course Numbers

Class	Semester 1	Semester 2	Year/ Semester	Available
Business Technology Basics	6000	6005	Sem	9-10
Business Technology	6010	6015	Sem	9-10
Microsoft Office Applications/ DMACC BCA #212~*	6020	6025	Sem	10-11-12
Accounting I	6050		Sem	10-11-12
Accounting II*		6055	Sem	10-11-12
Accounting III*		6065	Sem	11-12
Introduction to Marketing		6085	Sem	10-11-12
Applied Marketing	6100		Sem	11-12
Personal & Business Law		6095	Sem	11-12
Personal Finance	6110	6115	Sem	11-12

*Prerequisite for course
~DMACC Credit Class

COMPUTER and BUSINESS COURSE FLOW CHART



■Business Technology Basics

Grade:..... 9-10
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First or Second

Course Description

This course is designed to provide the students with basic experience in business-related technology applications. Students will gain skills in Word processing, spreadsheet, Google docs and presentation software. The skills learned will be applied to projects. Students will be taught skills and concepts to help them in their high school classes and their future workplace.

■Business Technology

Grade:..... 9-10
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First or Second

Course Description

This course is designed to provide the students with experience in business-related technology applications. Students will gain skills in word processing, spreadsheet, and presentation software. The skills learned will be applied to a series of valuable, real-world projects. Students will be taught skills and concepts needed to thrive in high school classes and the business world. Students will take Microsoft Specialist Certification tests in Word, Excel, and PowerPoint.

■Microsoft Office Applications/DMACC BCA #212*

Grade:..... 10-12
Prerequisite: Bus Tech or Instr Approval
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First or Second

This course will provide **advanced** hands-on computer activities in the Microsoft Office Suite in Word, Excel, Power Point and Access. It is recommended to have taken Business Technology (or Computer Applications) prior to this course. **Students taking concurrent enrollment courses must take the course for college credit. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC to 10th, 11th, and 12th grade students upon successful completion of this course.

*DMACC BCA #212

3 credits

■Accounting I

Grade:..... 10-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester:First

Course Description

The first semester of accounting covers the basic accounting principles needed to perform accounting activities for a service business operated as a sole proprietorship. Students learn to journalize daily transactions in a multiple column journal, post to a general ledger, and perform end-of-the fiscal period closing activities. Students will then begin the accounting process for a merchandising business operated as a corporation. Students will perform their accounting work on web-based software to simulate real-life accounting.

■Accounting II

Grade:..... 10-12
Prerequisite: Accounting I
NCAA Clearinghouse: Not Approved

Credit: 1
Semester:Second

Course Description

The second semester of accounting finishes the accounting cycle for a merchandising business organized as a corporation begun in Accounting I. Students will learn to keep records using special journals as well as multiple ledgers. Students will also explore payroll accounting and learn how to calculate taxes and earnings. During the second semester, students will complete a realistic accounting simulation which requires them to complete all accounting activities for a corporation for a month.

■Accounting III

Grade:..... 11-12
Prerequisite:Accounting I & II
NCAA Clearinghouse: Not Approved

Credit: 1
Semester:First

Course Description

Accounting III is an advanced accounting course to build on the fundamental accounting concepts learning in first-year accounting. In this course, students will gain a deeper understanding of accounting through continuation of the Century 21 Accounting curriculum into advanced material. Course topics will include: financial statement analysis, debt financing, capital stock, depreciation, and inventory costing methods. Students will finish the semester with project-based learning including a real-life accounting computerized simulation, accounting career exploration, and stock analysis.

■Personal and Business Law

Grade:..... 11-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester:Second

Course Description

This course is designed to familiarize students with current laws and the legal system. Students will study special laws for minors, families, and consumers. The course will help students become aware of contracts (legal and binding), remedies for breach of contract, laws involving the use of credit, and laws concerning personal and real property. Emphasis is placed on current events dealing with law and current changes.

■Personal Finance

Grade:..... 11-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First or Second

Course Description

This class will cover the basic foundations of personal finance: savings, understanding investments, college planning, credit and debt, budgeting, bargain shopping, insurance/risk management, real estate and mortgages. Students will learn skills necessary to guide them in managing their money.

■Introduction to Marketing

Grade:..... 10-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester:Second

Course Description

Introduction to Marketing is a course designed for students who are interested in exploring how products are developed, produced, promoted, and distributed. Topics covered include basic marketing and economic concepts, market research, selling, advertising and promotion. Communication, leadership and technology skills will be developed, as well as employability and career development strategies.

■ Applied Marketing

Grade: 11-12

Prerequisite: Introduction to Marketing

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: First

Course Description

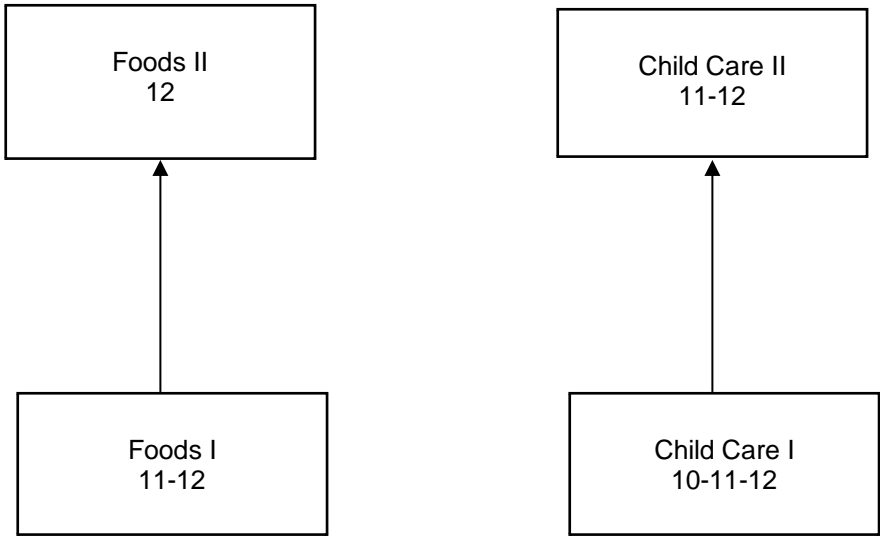
This project-based course allows students to apply marketing skills in real life. Students will learn advanced marketing principles and then apply them through completing various activities for local businesses or high school organizations. Classroom projects may include: creating and marketing fundraisers for DECA, carrying out a direct mail campaign, developing promotional materials, and conducting marketing research. Students will also learn in-depth social media marketing skills and apply them through a realistic online simulation. The course will end with students composing an intensive business research project in collaboration with a local business which will require ample detail and college level written and oral communication skills.

Family & Consumer Science Course Numbers

Class	Semester 1	Semester 2	Year/ Semester	Available
Foods I	7000	7005	Sem	11-12
Foods II*		7015	Sem	12
Child Care I	7060		Sem	10-11-12
Child Care II*		7075	Sem	11-12

***Prerequisite for course
~DMACC Credit Class**

**FAMILY and CONSUMER SCIENCE
COURSE FLOW CHART**



■Foods I

Grade:..... 11-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First or Second

Course Description

Students will learn the importance of a healthy diet and how it affects their health now and in the future. Students will study health-related diseases, as well as their causes and cures. Students will explain the role of the food guide pyramid and nutrients in maintaining health and wellness. Foods in each of the food guide pyramid areas studied will be prepared and evaluated.

■Foods II

Grade:..... 12
Prerequisite: Foods I
NCAA Clearinghouse: Not Approved

Credit: 1
Semester:Second

Course Description

Basic table setting and table manners will be emphasized along with meal planning and preparation. Students will prepare simple, easy meals and serve them attractively. The meals will emphasize low-fat cooking, milk desserts, yeast and quick breads, and foods of the world. Time will be spent learning different frosting techniques and cake decorating. The unit will be concluded with an “Indianola Cake Boss” competition. Sanitation and safety will be discussed and followed while preparing in the kitchen.

■Child Care I

Grade:..... 10-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester:First

Course Description

This course introduces the study of the child and child development as a basis for childcare and parenting. Parenting topics will include preparing to be a parent, effective disciplinary practices, and appropriate guidance techniques when working with children. A study of pregnancy, birth, and the growth and development of infants will be included. Lab experiences will introduce and develop observation skills. Children will be invited to the classroom and students will observe and work with children in childcare settings.

■Child Care II

Grade:..... 11-12
Prerequisite: Child Care I
NCAA Clearinghouse: Not Approved

Credit: 1
Semester:Second

Course Description

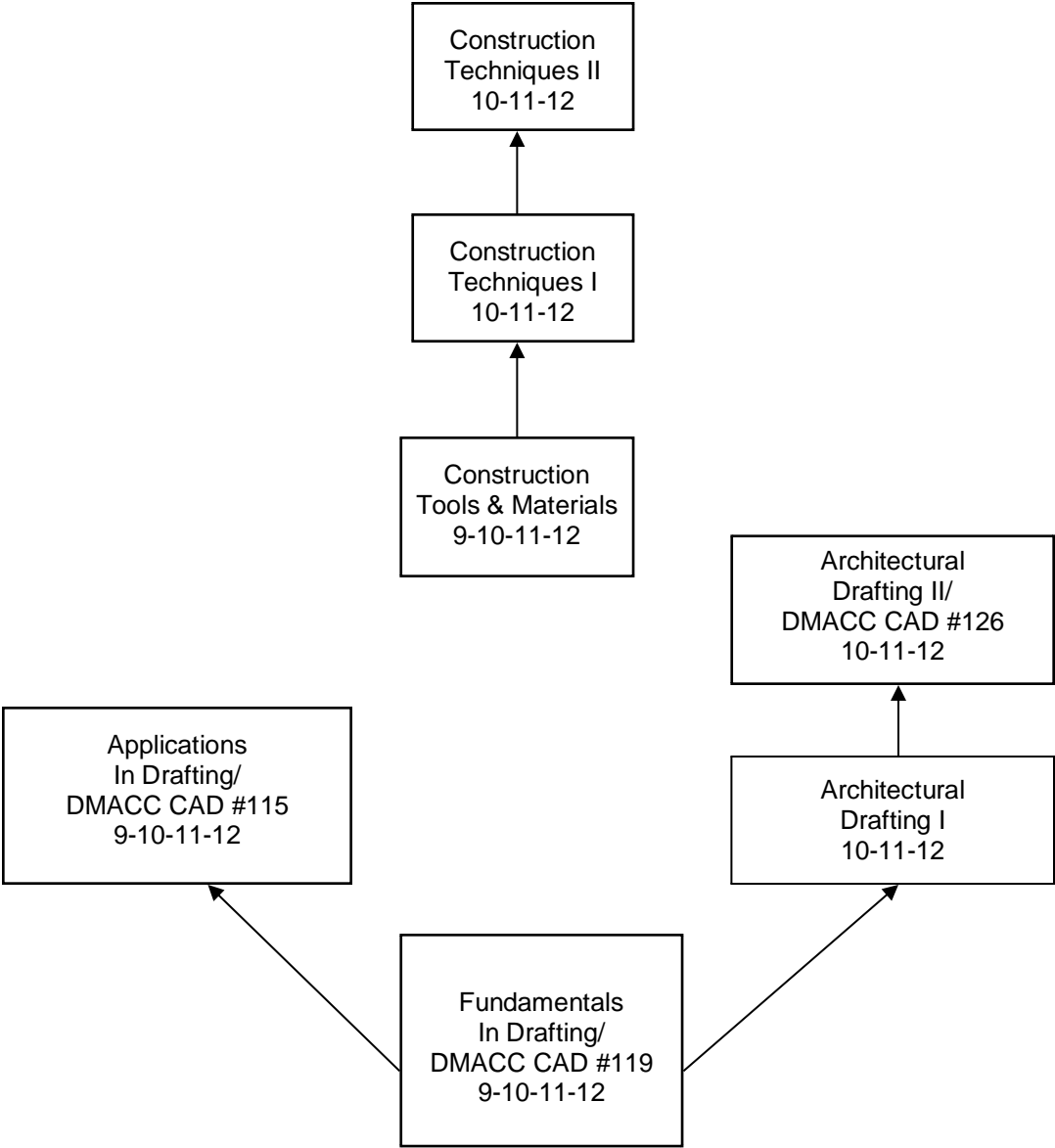
This course furthers the study of childcare careers and parenting. Toddlers and preschoolers will be studied in depth and activities will be planned for lab. Students will study child health and safety, abuse and neglect, and careers involving children and childcare. Students will explore teaching and care of children by participating in actual care of children in a childcare setting.

Industrial Technology Course Numbers

Class	Semester 1	Semester 2	Year/ Semester	Available
Fundamentals in Drafting/ DMACC CAD #119~	8000	8005	Sem	9-10-11-12
Applications in Drafting/ DMACC CAD #115*&~		8015	Sem	9-10-11-12
Architectural Drafting I*	8020		Sem	10-11-12
Architectural Drafting II/ DMACC CAD #126*&~		8035	Sem	10-11-12
Construction Tools and Materials	8040	8045	Sem	9-10-11-12
Construction Techniques I*	8050		Sem	10-11-12
Construction Techniques II*		8065	Sem	10-11-12

***Prerequisite for course
~DMACC Credit Class**

INDUSTRIAL TECHNOLOGY COURSE FLOW CHART



■ Fundamentals in Drafting/DMACC CAD #119

Grade: 9-12
Prerequisite: None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First or Second

Course Description

This semester course will introduce students to the basics of computer aided drafting. Students will learn to read and produce drawings used as a means of communication between the designer and the technician. Algebra and Geometry are recommended but not required. **Students taking concurrent enrollment courses must take the course for college credit. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC to students upon successful completion of this course.

*DMACC CAD #119

3 credits

■ Applications in Drafting/DMACC CAD #125*

Grade: 9-12
Prerequisite: Fundamentals in Drafting
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: Second

Course Description

This is a semester course, which develops computer-drafting skills required in the industrial and engineering fields. Drawings produced will include bolts and threads, gears and cams, isometric, orthographic, map, welding, and many other areas. Math skills are very important for this class. **Students taking concurrent enrollment courses must take the course for college credit. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC upon successful completion of this course.

*DMACC CAD #125

3 credits

■ Architectural Drafting I

Grade: 10-12
Prerequisite: Fundamentals of Drafting
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First

Course Description

Students will learn the basics of home design. They will draw the stairways, stud layouts, wall sections, and elevations, perspectives and design simple floor plans. A complete floor plan will be required at the end of the semester.

■Architectural Drafting II/DMACC CAD #126*

Grade:..... 10-12
Prerequisite: Architectural Drafting I
NCAA Clearinghouse:.....Not Approved

Credit: 1
Semester:Second

Course Description

Students will design a complete set of floor plans for a house with guidelines. A bill of materials will be figured for each home and cost estimates included. The goal is to design the home for the next year's home construction class. **Students taking concurrent enrollment courses must take the course for college credit. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC upon successful completion of this course.

*DMACC CAD #126

3 credits

■Construction Tools and Materials

Grade:..... 9-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First or Second

Course Description

This course is designed to introduce students to tools and materials used by the construction trades. Emphasis is on safe operation of portable power tools as well as shop tools used in the woodworking and construction industries. Students will have various required projects assigned by the instructor that must be completed for a grade.

Students will be required to keep a portfolio of all safety tests and assignments covered in the course. This portfolio will also contain a working plan, bill of materials and plan of procedure.

Safety glasses are required at the student's expense.

■Construction Techniques I

Grade:..... 10-12
Prerequisite:Construction Tools and Materials
NCAA Clearinghouse: Not Approved

Credit: 1
Semester:First

Course Description

Students will build a wall cabinet using appropriate design, materials, and tools of the trade. This course may also include the use of plastic laminates for countertops, finishing techniques, framing, masonry, sheet rock, hanging, flatwork, and cast work. Projects are required at student's expense.

Safety glasses are required at the student's expense.

■Construction Techniques II

Grade:..... 10-12
Prerequisite: Construction Techniques I
NCAA Clearinghouse: Not Approved

Credit: 1
Semester:Second

Course Description

This is an advanced woodworking class for students who wish to make a larger more time consuming project. Students in this class will work more independently than in any other class. Students will design, plan and build a project. Instructor's permission is required for the building of the project chosen. Projects are required at the student's expense.

Safety glasses are required at the student's expense.

Agriculture Education Course Numbers

Class	Semester 1	Semester 2	Year/ Semester	Available
Intro to AFNR	9000		Sem	9-10-11-12
Animal Science^	9010		Sem	9-10-11-12
Advanced Animal Science/DMACC*&~		9015	Sem	11-12
Natural Resources		9025	Sem	9-10-11-12
Horticulture^		9045	Sem	9-10-11-12
Biotechnology in Agriculture		9055	Sem	11-12
Principles of Crop Production/DMACC~	9060		Sem	11-12
Agricultural Business	9070		Sem	10-11-12
Agricultural Leadership	9080		Sem	11-12

***Prerequisite for course**
^Course will be offered as science elective credit
~DMACC Credit Class

AGRICULTURE COURSE FLOW CHART

Alphabetical Listing of Courses Offered

Agricultural
Business
10-11-12

Biotechnology
In
Agriculture
11-12

Agricultural
Leadership
11-12

Horticulture
9-10-11-12

Advanced Animal
Science
11-12

Intro to
AFNR
9-10-11-12

Animal
Science
9-10-11-12

Natural
Resources
9-10-11-12

Principles of
Crop Production
11-12

■Introduction to Agriculture, Food, and Natural Resources Education

Grade:..... suggested 9-12

Credit: 1

Prerequisite:None

Semester: First

NCAA Clearinghouse: Not Approved

Course Description

This class is for beginning agricultural education students. Instructional units include: Agriculture – The FFA Organization, Supervised Agricultural Experience and Introduction to Agricultural Sciences. Agricultural Science units include: plant science, livestock evaluation, and meat science. FFA and SAE are intra-curricular parts of this class. This class is highly recommended to any student who wants to become active in the FFA Chapter.

■Animal Science

Grade:..... suggested 9-12

Credit: 1

Prerequisite:None

Semester: First

NCAA Clearinghouse: Not Approved

Course Description

Students will learn about the value and utilization of animals in our lives. Instructional units include: The Industry of Animal Science, Animal Nutrition, Animal Digestion, Animal Physiology, Animal Reproduction, Animal Selection, and Animal Health and Management. FFA and SAE are intra-curricular parts of this class.

Course will be offered as science elective credit.

■Advanced Animal Science/DMACC* AGS #113

Grade:..... suggested 11-12

Credit: 1

Prerequisite: Animal Science

Semester:Second

NCAA Clearinghouse: Not Approved

Course Description

This course explores issues impacting the United States and the international animal industry. The main emphasis of the course is on the animal industry in the global market, animal production management, anatomy and physiology, and marketing of farm animals. The animals of focus include beef and dairy cattle, companion animals, horses, poultry, sheep swine and their products. FFA and SAE are intra-curricular parts of the class. **Students taking concurrent enrollment courses must take the course for college credit. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC upon successful completion of this course.

***DMACC AGS # 113**

3 credits

■Natural Resources

Grade:.....suggested 9-10-11-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester:Second

Course Description

Students will examine the importance of natural resources in our lives and how to manage them for our benefit. Educational units include: opportunities in natural resources, soil formation and physical properties, land use, conservation and management, soil fertility, wildlife management, air and water quality management and weather and climate. FFA and SAE are intra-curricular parts of the class.

■Horticulture

Grade:.....suggested 9-10-11-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester:Second

Course Description

Students will identify opportunities in horticulture, grow horticultural crops, manage a greenhouse and operate a school-based enterprise. Instructional units include: opportunities in horticulture, greenhouse management and technology, plant propagation and growth, soils and growing media, plant protection, floriculture, landscaping, integrated pest management and greenhouse maintenance. FFA and SAE are intra-curricular parts of the class. **Course will be offered as science elective credit.**

■Biotechnology in Agriculture

Grade:..... suggested 11-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester:Second

Course Description

This course will provide students with the basic understanding of concepts behind the biotechnology revolution in agriculture. Topics included are cell functions, genetics, genetic engineering, cloning, ethics, the uses of biotechnology and careers. Many laboratories will be completed such as plant tissue cultures, DNA transformation, DNA extraction, DNA fingerprinting and food purity tests. FFA and SAE are intra-curricular parts of the class.

■Agricultural Business

Grade:..... suggested 10-11-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester:First

Course Description

Students will learn fundamentals of agricultural business management. Instructional units include: principles of agricultural decision-making, record keeping, financial statements, budgeting, cash flows, marketing, agricultural products, advertising, business organization, and agricultural sales. FFA and SAE are intra-curricular parts of this class.

■Agricultural Leadership

Grade:..... suggested 11-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First

Course Description

Students will learn fundamentals of communications and leadership in agriculture. Instructional units include: agricultural public speaking and communications; agricultural issues and current events; coordination of various leadership activities; and agricultural careers and career advancement. FFA and SAE are intra-curricular parts of this class.

■Principles of Crop Production/DMACC* AGA #114

Grade:..... suggested 11-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First

Course Description

This course is a study of principles of plant, soil and climate relationships and their impact on crop production and animal food supply worldwide. Other topics covered are plant identification, anatomy and growth, as well as tillage and planting, pest control, harvesting and storage. FFA and SAE are intro-curricular parts of this class. **Students taking concurrent enrollment courses must take the course for college credit. Drop date without consequences will be determined by DMACC. If the class is dropped for DMACC credit it will also be dropped for high school credit.**

College credit will be given from DMACC upon successful completion of this course.

*DMACC AGA #114

3 credits

FFA

FFA is a student youth organization that is an intra-curricular part of agricultural educational programs. There are many FFA activities that develop leadership, personal growth and career success. More details are available in the FFA Program of Activities and/or the Student Parent Handbook.

SAE

SAE is Supervised Agricultural Experience programs. Students conduct Production, Placement, Agriscience or Agribusiness activities outside the school setting. SAE activities are many and varied depending on student interests and opportunities.

Health and Physical Education Course Numbers

Class	Semester 1	Semester 2	Summer	Year/ Semester	Available
Health I	4200	4205		Sem	9-10-11-12
Health II	4201	4206		Sem	9-10-11-12

Physical Education

Individual/Personal Fitness		101		Sem	9-10
Individual/Dual Recreation Activities		102		Sem	9-10
Team Games/Activities & Sports		103		Sem	9-10
Total Body Fitness & Conditioning-Beginner	123	104		Year	9-10-11-12
Total Body Fitness & Conditioning-Advanced	124	105		Year	9-10-11-12
Individual/Personal Fitness	120			Sem	11-12
Individual/Dual Recreation Activities	121			Sem	11-12
Team Games/Activities & Sports	122			Sem	11-12
R Peer Phys Ed		107		Sem	9-10
R Peer Phys Ed	112			Sem	11-12

Summer PE

Summer Phys Ed		115		Summer	10-11-12
----------------	--	-----	--	--------	----------

■Health I

Grade: 9-12
Prerequisite: None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First or Second

Course Description

The basic objective of Health I is to help the student appreciate the value of physical health and acquire the knowledge needed to maintain a state of well-being. Some of the units covered in Health I include, but are not limited to: Introduction to Health and Wellness, Nutrition and Food Choices, Fitness and Personal Health and Understanding and Avoiding Hazardous Substances.

■Health II

Grade: 9-12
Prerequisite: Health I
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First or Second

Course Description

The basic objective of Health II is to help the student appreciate the value of mental, emotional and social health and acquire the knowledge needed to maintain a state of well-being. Some of the units covered in Health II include, but are not limited to: Disease and Disorders, Mental and Emotional Health and Wellness, Social Health and Wellness and The Human Life Cycle.

■Physical Education

GRADUATION REQUIREMENT IS 4 CREDITS

■Individual/Personal Fitness

Grade: 9-12
Prerequisite: None
.....
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: . First Semester grades 11-12
.....Second Semester grades 9-10

Course Description

This class will provide you an opportunity to learn a variety of noncompetitive exercise methods and activities that will maintain and/or improve your fitness level. Course emphasis is on regular, safe exercise in an individual or small group setting, to promote healthy lifestyles.

Activities may include: walking, pilates, yoga, abdominal work, balance work, medicine balls and use of cardio equipment.

■Individual/Dual Recreation Activities

Grade:..... 9-12
Prerequisite:None
.....
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: . First Semester grades 11-12
.....Second Semester grades 9-10

Course Description

This class will provide you an opportunity to learn a variety of movement, fitness and sport activities. Emphasis will be placed on learning and enhancing technique and skills in selected activities in individual or small group settings.

Activities may include: archery, Frisbee, table tennis, badminton, carpet ball etc.

■Team Games/Activities & Sports

Grade:..... 9-12
Prerequisite:None
.....
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: . First Semester grades 11-12
.....Second Semester grades 9-10

Course Description

This class will provide you an opportunity to learn a variety of movement, fitness and sport activities. Emphasis will be placed on learning and enhancing technique and skills in selected activities in a group or team setting.

Activities may include: flag football, volleyball, basketball, ultimate Frisbee, floor hockey, prison ball, etc.

■Total Body Fitness & Conditioning - Beginner

Grade:..... 9-12
Prerequisite:None
.....
NCAA Clearinghouse: Not Approved

Credit: 1
Semester:Every other day all Year

Course Description

This class is for those who have never taken Total Body Fitness and will provide you an opportunity to learn how to improve your overall level of physical fitness. Activities focus on several methods of achieving and maintaining a healthy level of muscular strength and fitness. Emphasis will be on muscular strength, endurance, flexibility, agility, coordination, and balance. **This class will meet every other day for the full school year. (Total Body Fitness class only will do this)**

Activities may include: weight training and speed/agility training.

■Total Body Fitness & Conditioning - Advanced

Grade:..... 9-12

Credit: 1

Prerequisite:None

Semester:Every other day all Year

NCAA Clearinghouse: Not Approved

Course Description

This class will provide you an advanced opportunity to improve your overall level of physical fitness. Activities focus on several methods of achieving and maintaining a healthy level of muscular strength and fitness. Emphasis will be on muscular strength, endurance, flexibility, agility, coordination, and balance. **This class will meet every other day for the full school year. (Total Body Fitness class only will do this)**

Activities may include: weight training and speed/agility training.

■Peer Physical Education

Grade:..... 9-12

Credit: 1

Prerequisite:Instructor Conversation*

Semester: .First Semester grades 11-12

NCAA Clearinghouse: Not Approved

.....Second Semester grades 9-10

Course Description

This Physical Education class is designed for students who may have unique and specific needs to be partnered with a Peer Helper and together participate in effective and developmentally appropriate skills within the least restrictive environment. Attendance and having fun are two crucial components to being successful in the class.

***If interested in this course please see Mrs. Lester.**

■Summer Physical Education

Grade:..... 10-12

Credit: 1

Summer Physical Ed Fee: \$125.00

Semester:.....Summer

NCAA Clearinghouse: Not Approved

Course Description

Summer physical education class is open to all students entering the 10th-12th grades. Registration for this class is done in the spring, and the cost is \$125.00 per session. Seniors will be given priority for enrollment and then it will be on a first come – first served basis. **No incoming 9th grade students will be allowed to take summer PE unless they have no study halls in their schedule for both semesters of their 9th grade year and they receive approval from the high school principal.**

DMACC Southridge Career Academy Course Numbers

Class	Semester 1	Semester 2	Year/ Semester	Available
Auto Collision/ DMACC Career Academy**&~	600/651/652	626/625	Year	11-12
Automotive Technology/ DMACC Career Academy**&~	601	616	Year	11-12
Business & Marketing/ DMACC Career Academy**&~	660/661/662	663/664/665	Year	11-12
Computer Programming/ DMACC Career Academy**&~	608/633/607	632/634/635	Year	11-12
Criminal Justice/ DMACC Career Academy**&~	604/612/613	619/644/645	Year	11-12
Health Occupations/ DMACC Career Academy**&~	4540/4550	4545/4555	Year	11-12
Teacher Academy/ DMACC Career Academy**&~	620/622	623/656	Year	11-12
Welding Year 1/ DMACC Career Academy**&~	603/653/654	643/657	Year	11-12
Welding Year 2/ DMACC Career Academy**&~	670/671/672	678/679	Year	11-12

A MEETING WITH YOUR COUNSELOR IS NEEDED FOR THE ABOVE COURSES

*Prerequisite for course
**Must Have Instructor or Counselor Approval
~DMACC Credit Class

■Auto Collision/DMACC Career Academy

Grade:..... 11-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit:3 per semester
Semester: Year

Course Description

This program introduces students to the highly technological industry of Auto Collision and Repair. Students will gain experience in the areas of basic shop operations and procedures, welding, painting and shop safety. Use special machines to straighten and align damaged frames and uni-body sections. Remove damaged sections of body panels with plasma arc ducting, die grinder or various metal cutting saws and weld in new sections. Prepare vehicle for spot repainting; partial and/or entire body repainting. Repair and care for automotive tools and equipment. Make damage estimations. Completion of this program as a high school student provides the opportunity to complete the college diploma program in two college semesters.

15 DMACC CREDITS

Times available: M-F 7:40-9:40 a.m. and 1:10–3:10

Please see your counselor regarding this course.

■Automotive Mechanics Technology/DMACC Career Academy

Grade:..... 11-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit:3 per semester
Semester: Year

Course Description

The program is designed to prepare students for employment in the automotive service industry. This technological program allows students to gain experience with shop tools, automotive engines brakes, suspension and alignment. It also allows students to learn to service automobiles to keep them from developing mechanical problems (preventative maintenance). Also students will learn to make systematic examinations, adjustments, repair and replace defective parts of cars and trucks. Diagnose drivability problems so repairs can be made.

12 DMACC CREDITS YEAR 1 and 11 DMACC CREDITS YEAR 2.

Times available: M-F 7:40-9:40 a.m. or 1:10-3:10 p.m.

Please see your counselor regarding this course.

■Welding/DMACC Career Academy

Grade:..... 11-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit:3 per semester
Semester: Year

Course Description

This program allows students to engage in experiential learning in the area of welding.
Times available: M-F 7:40-9:40 a.m. or 12:50-2:50 p.m. **8 DMACC CREDITS**
Please see your counselor regarding this course.

■Criminal Justice/DMACC Career Academy

Grade:..... 11-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit:3 per semester
Semester: Year

Course Description

The Criminal Justice program introduces students to criminal law and crime scene investigation and prepares students for entry into the criminal justice field. **16 DMACC CREDITS**
Times available: M-F 1:10–3:10 p.m.
Please see your counselor regarding this course.

■Health Occupations/DMACC Career Academy

Grade:..... 11-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit:3 per semester
Semester: Year

Course Description

This program will provide students the opportunity of explore careers in health care and work toward CNA training. **14 DMACC CREDITS**
Times available: M-F, 7:40-9:40 a.m. or 12:50-2:50 p.m.
Please see your counselor regarding this course.

■Business and Marketing/DMACC Career Academy

Grade:..... 11-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit:3 per semester
Semester: Year

Course Description

This program is designed to provide a foundation of business related courses that will prepare students for entrance in multiple business-related post-secondary opportunities.
Times available: M-F, 1:10-3:10 p.m.
17 DMACC CREDITS
Please see your counselor regarding this course.

■Computer Science Programming/DMACC Career Academy

Grade:..... 11-12

Credit:3 per semester

Prerequisite:None

Semester: Year

NCAA Clearinghouse: Not Approved

Course Description

Students will have the opportunity to sign up for one or both semesters of courses that provide an introduction to the latest in computer science and programming. Mobile device applications and computer information systems. *Courses for this program are subject to change.*

Times available: M-F, 1:10-3:10 p.m. **18 DMACC CREDITS**

Please see your counselor regarding this course.

■Teacher Academy/DMACC Career Academy

Grade:..... 11-12

Credit:3 per semester

Prerequisite:None

Semester: Year

NCAA Clearinghouse: Not Approved

Course Description

This program provides students with an opportunity to explore education-related professions and take part in real-life teaching experiences. Students will spend a total of 120 hours shadowing elementary and secondary teachers during portions of their assigned class time. Courses fulfill Level I Field Experience requirements at many four-year colleges.

Times available: M-F, 1:10-3:10 p.m. **8 DMACC CREDITS**

Please see your counselor regarding this course.

Guidance Course Numbers

Class	Semester 1	Semester 2	Year/ Semester	Available
Sprint- In-depth Independent Study**	50	55	Sem	9-10-11-12
ODYSSEYWARE**	400	455	Sem	10-11-12
ELP ODYSSEYWARE**	0530	0555	Sem	10-11-12
Senior Year Plus**	690	695	Sem	11-12
Service Learning	220	225	Sem	11-12

COUNSELOR APPROVAL IS NEEDED FOR ANY OF THE ABOVE COURSES

*Prerequisite for course
 **Must Have Instructor or Counselor Approval
 ~DMACC Credit Class

■ Sprint – In-depth, Independent Study

Grade:.....9-10-11-12 identified TAG students
Prerequisite: **Counselor Recommendation**
NCAA Clearinghouse: TBA

Credit: 1
Semester: First and/or Second

Course Description

Sprint is a course designed by students to allow them in-depth study and/or practice in an area of intense personal interest. Students will select a topic of study and submit a concept paper and project proposal. During the course of study students will create weekly updates to show growth as they prepare a final project and presentation. **This course is offered as an elective credit regardless of topic of study.**

■ ODYSSEYWARE

Grade:..... 10-12
Prerequisite: **Counselor Recommendation**
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First and/or Second

Course Description

ODYSSEYWARE is a streamlined, Internet-based curriculum using technology to provide credit recovery for students. Students can participate in ODYSSEYWARE only with counselor recommendation and will be assigned on an individual basis.

■ Senior Year Plus

Grade:..... 11-12 or an identified TAG student
Prerequisite: **Counselor Recommendation**
NCAA Clearinghouse: TBA

Credit: 1
Semester: First and/or Second

Course Description

Students in grades 11-12 as well as students identified as talented and gifted in grades 9-10 may receive academic credits that count toward the graduation requirements for courses taught in post-secondary institutions. The student may receive credits for courses approved by the administration. A request for enrollment in the post-secondary institution must be made to the principal before registration for the class. Courses shall be approved on a case-by-case basis. No student may enroll in more than two courses per semester for high school credit. This does not include summer coursework. Students may not receive high school credit and college credit for the same class unless approved by the high school principal. Courses taken for high school credit will be included on the high school transcript and the grades will be computed into the high school grade point average. Students who fail a class taken under this policy will be responsible for reimbursing the school district for their costs.

■ Service Learning

Grade:..... 11-12
Prerequisite: **Counselor Approval**
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First and/or Second

Course Description

The Service Learning curriculum allows students to identify and practice skills for success. Service Learning is a course where students choose to work with staff and students within the school district during the semester. The units that are incorporated into the service include job preparation skills, time management, team building, communication skills, citizenship, and an individual project with assessment. The grade for the course will be pass/fail. The focus of this course is to develop relationships in a helping environment. Students may only have service learning one period a day for each semester.

Special Needs

Three levels of special education programs with varying amounts of integration into the general education classroom are available at Indianola High School. Significant to substantial modifications are provided in the areas of curriculum, instruction, social/emotional development, and/or environment. An IEP team determines placement and types of services based on individual student need.

Level 1

In Level 1 service, the majority of instruction occurs in general education. This level of service includes modifications and adaptations to the general education curriculum.

Level 2

Level 2 services include specially designed instruction in special education or regular education classrooms for a majority of the educational program. This level of service includes substantial modifications, adaptations, and accommodations to the general education program (curriculum).

Level 3

For Level 3 service, instruction is specially designed for most or for the entire educational program. This level of service requires extensive redesign of curriculum and substantial modification of instructional techniques, strategies and materials. Students are evaluated through Alternate Assessment in place of standardized testing.

Special Education teachers collaborate with general education teachers in various core content classes including: English, math, science, and social studies.

Special Needs Courses Levels 1 and 2

Class	Semester 1	Semester 2	Year/ Semester	Available
S Peer Phys Ed 9-10**		106	Sem	9-10
S Peer Phys Ed 11-12**	111		Sem	11-12
English 9 Basics	1300	1305	Year	9-10-11-12
English 10 Basics	1310	1315	Year	10-11-12
English 11 Basics	1320	1325	Year	11-12
English 12 Basics	1420	1425	Year	11-12
DI Skills B2 *	1330	1335	Sem	9-10-11-12
DI Skills C1*	1331	1336	Sem	9-10-11-12
DI Skills C2 *	1332	1337	Sem	9-10-11-12
US History Basics	2300	2305	Year	9-10-11-12
Modern World History Basics	2310	2315	Year	9-10-11-12
Government Basics	2320	2325	Sem	11-12
Economics Basics	2330	2335	Sem	11-12
Physical Science Basics	4130	4145	Year	9-10-11-12
General Math A Basics	3301	3306	Year	9-10-11-12
General Math B Basics	3300	3305	Year	9-10-11-12
Consumer Math Basics	3310	3315	Year	9-10-11-12
Tech Math Basics	3320	3325	Year	9-10-11-12
Skills Credit	700	715	Sem	9-10-11-12
Life Skills 1	780	785	Sem	9-10-11-12
Life Skills 2 Part A	781	786	Sem	9-10-11-12
Life Skills 2 Part B	782	787	Sem	9-10-11-12
Human Relations	740	745	Sem	9-10-11-12

****Must Have Instructor or Counselor Approval**

***Must take placement test**

Special Needs Courses Level 3

Class	Semester 1	Semester 2	Year/ Semester	Available
S Peer Phys Ed 9-10**		106	Sem	9-10
S Peer Phys Ed 11-12**	111		Sem	11-12
English 9 Fundamentals	1340	1345	Year	9-10-11-12
English 10 Fundamentals	1350	1355	Year	10-11-12
English 11 Fundamentals	1360	1365	Year	11-12
American Literature Fundamentals	1370	1375	Year	12
US History Fundamentals	2400	2405	Sem	9-10-11-12
Modern World History Fundamentals	2410	2415	Sem	9-10-11-12
US Government Fundamentals	2420	2425	Sem	11-12
Economics Fundamentals	2430	2435	Sem	11-12
Science Fundamentals 2	4471	4476	Year	9-10-11-12
Applied Math (Pt I) Fundamentals	3420	3425	Year	9-10-11-12
Applied Math (Pt II) Fundamentals	3430	3435	Year	10-11-12
General Math A (Pt I) Fundamentals	3440	3445	Year	11-12
General Math B (Pt II) Fundamentals	3450	3455	Year	12
Life Skills 1	780	785	Sem	9-10-11-12
Life Skills 2 Part A	781	786	Sem	9-10-11-12
Life Skills 2 Part B	782	787	Sem	9-10-11-12
Foods Fundamentals	7300	7305	Sem	9-10-11-12
Skills Development	800	815	Sem	9-10-11-12

****Must Have Instructor or Counselor Approval**

■Peer Physical Education

Grade:..... 9-12
Prerequisite:Instructor Conversation*
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: .First Semester grades 11-12
.....Second Semester grades 9-10

Course Description

This Physical Education class is designed for students who may have unique and specific needs to be partnered with a Peer Helper and together participate in effective and developmentally appropriate skills within the least restrictive environment. Attendance and having fun are two crucial components to being successful in the class. ***If interested in this course please see Mrs. Lester for information.**

■English 9 Basics

Grade:..... 9-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: Year

Course Description

This course parallels the general education curriculum and is taught by a certified teacher or in reverse consultation. The course is taught in a small group setting and reinforces fundamental reading, writing, speaking and listening skills as well as emphasizing analytical thinking skills. Students will study a wide range of literature including novels, short stories, epic poetry, drama and nonfiction. Independent reading projects will be assigned to supplement whole class assignment.

■English 10 Basics

Grade:..... 10-12
Prerequisite: English 9
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: Year

Course Description

This course parallels the general education curriculum and is taught in a small group setting by a certified teacher or in reverse consultation. The class emphasizes reading, writing, speaking and listening skills. Students will interpret and evaluate literature. Students will study drama, poetry, short story, novels and nonfiction. Independent reading projects will be assigned to supplement whole class assignment.

■English 11 Basics

Grade:..... 11-12
Prerequisite: English 10
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: Year

Course Description

This course parallels the general education curriculum and is taught by a certified teacher or in reverse consultation. This course is taught in a small group setting emphasizing reading, writing and speaking skills. Students will study fiction and non-fiction novels and graphic novels. There will be a focus on enhancing readiness for entrance to the work force.

■English 12 Basics

Grade:..... 11-12
Prerequisite: English 11
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: Year

Course Description

This course parallels the general education curriculum and is taught by a certified teacher or in reverse consultation. This course is taught in a small group setting emphasizing reading, writing and speaking skills. Students will study fiction and non-fiction novels and graphic novels. There will be a focus on enhancing readiness for entrance to the work force.

■Physical Science Basics

Grade:..... 11-12
Prerequisite: Science 9
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: Year

Course Description

This course is designed to gain fundamental knowledge in many areas including scientific measurement, earth science, physical science, environmental science and biology. Students will observe the physical world around them.

■Direct Instruction Skills

Grade:..... 9-12
Prerequisite: Students must be tested for placement
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First and Second

Course Description

Direct Instruction Skills is available to identified special needs students who need instruction in reading, decoding and/or comprehension skills. Students will progress through various levels:

- | | |
|-----------------|---------------------|
| 1 – Decoding B1 | 4 – Comprehension B |
| 2 – Decoding B2 | 5 – Comprehension C |
| 3 – Decoding C | |

■Second Chance Reading

Grade:..... 9-12
Prerequisite: none
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First and/or Second

Course Description

The purpose of Second Chance Reading is to accelerate the rate at which students read and comprehend both fiction and non-fiction textual materials. The course is designed for high school students that are reading below grade level. The goal is to remediate existing reading deficits and prepare students for successful completion of secondary level academic work.

■United States History Basics

Grade:..... 9-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: Year

Course Description

This course parallels the general education curriculum and is taught as a reverse-consultation class in a small group setting. This course covers the period from 1860 to the present. Important people, events, and concepts in U.S. History will be studied. This course is intended for students with reading and/or writing disabilities or whose IEP recommends significant modifications to the general curriculum. It will meet the graduation requirement for a U.S. History course.

■Modern World History Basics

Grade:..... 9-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: Year

Course Description

This course parallels the general education curriculum and is taught as a reverse-consultation class in a small group setting. This course will introduce the student to the events in world history beginning with the scientific revolution (circa 1600). Major emphasis will be placed on developing a story, as we strive to make sense of the past. After completing the course, the students will see the necessity of study as they apply what they have learned to understanding why events are occurring in today's complex world.

■Government Basics

Grade:..... 11-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First and/or Second

Course Description

This course parallels the general education curriculum and is taught as a reverse-consultation class in a small group setting. The purpose of the course is to give the student a basic understanding of the makeup, structure and functions of the U.S. system of government. Special emphasis is given to the student's rights and responsibilities as a citizen.

■Economics Basics

Grade:..... 11-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First and/or Second

Course Description

This course parallels the general education curriculum and is taught as a reverse-consultation class in a small group setting. This course is designed to introduce students to the basic vocabulary, logic and economic principles that affect the operations of the individual consumer and governmental policies. It will also emphasize the importance of the consumer to our economy on the local level as well as an international one. We will use selected real world problems and topics in the United States to help us in our applications.

■General Math Basics

Grade:..... 9-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: Year

Course Description

This course is taught as a reverse-consultation class in a small group setting. The students will review basic skills and use these basic skills in practical situations. General Math offers basic math skills needed for everyday living and an introduction to Pre-Algebra. This course teaches the students to prepare for independent living.

■Consumer Math Basics

Grade:..... 10-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: Year

Course Description

This course is taught as a reverse-consultation class in a small group setting. Consumer math teaches students to apply basic mathematical skills to consumer situations. The students will review basic skills and apply these skills to practical consumer daily living situations and an introduction to Pre-Algebra. This course will teach students to develop consumer skills to prepare for independent living.

■Tech Math Basics

Grade:..... 10-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: Year

Course Description

This course is taught as a reverse-consultation class in a small group setting. The students will build an understanding of mathematic concepts and operations. Emphasis is placed on mastering basic concepts that are necessary for life and an introduction to Pre-Algebra. The objective is to relate a learned concept to everyday situations and make practical applications.

■Skills Credit

Grade:..... 9-12
Prerequisite:None
NCAA Clearinghouse: Not Approved

Credit: 1
Semester: First and/or Second

Course Description

A student will receive specially designed instruction for goal areas as specified by the student's IEP. The student will earn an elective credit. There will be progress monitoring completed for each of the goal areas. Weekly probes will be given for skill areas as dictated by the IEP. Areas that may be covered during skills credit class include; basic academic skills, study skills, social skills, post-school adult living skills, job skills, technology skills and self-advocacy. The goal of this course is for students to successfully complete the IEP goals written on the IEP.

■Life Skills

Grade:..... 9-12

Credit: 1

Prerequisite:None

Semester: First and/or Second

NCAA Clearinghouse: Not Approved

Course Description

Life Skills provides students with the opportunity to learn adaptive behavior and behavior management skills including organization, initiating tasks, and appropriate coping strategies. Students will become aware of their interests, abilities and values while exploring career choices and post-secondary opportunities. Students will learn technology 21st century skills necessary for life after high school. Students will build a resume, complete applications, and participate in mock interviews. Students will work to develop personal skills and attitudes related to being able to initiate tasks, maintain appropriate attention to task, appropriate communication strategies related to advocating for self and working in a group, and taking responsibility for actions.

■Human Relations

Grade:..... 9-12

Credit:1

Prerequisite: IEP Directive

Semester: First and/or Second

NCAA Clearinghouse: Not Approved

Course Description

Human Relations provides students with the opportunity to learn coping skills, understand the expectations of teachers and adults and learn how to interact appropriately with peers.

Index

A Cappella Choir.....	69	Color Guard	70
Accounting I.....	82	Comparative Anatomy	60
Accounting II.....	82	Composition.....	24
Accounting III.....	83	Computer & Business Ed Course Flow Chart.....	80
Acting.....	27	Computer & Business Ed Course Numbers.....	79
Advanced Algebra II	49	Computer Science Programming/DMACC.....	105
Advanced Animal Science/DMACC.....	95	Computer Science and Software Engineering	65
Advanced Biology.....	57	Concert Choir 11-12.....	69
Advanced Ceramics.....	77	Concurrent Enrollment Courses.....	6
Advanced Chemistry.....	58	Construction Techniques I.....	91
Advanced Drawing.....	75	Construction Techniques II.....	92
Advanced English 9.....	21	Construction Tools and Materials	91
Advanced English 10.....	22	Consumer Math Basics.....	114
Advanced Geometry	49	Course Selection.....	5
Advanced Painting.....	76	Creative Writing	24
Advanced Placement Biology/DMACC.....	58	Criminal Justice/DMACC	104
Advanced Placement CalculusAB/DMACC.....	51	Definition of Terms.....	9
Advanced Placement CalculusBC/DMACC.....	52	Direct Instruction Skills.....	112
Advanced Placement Chemistry.....	59	Digital Imaging	78
Advanced Placement European History	39	DMACC Anatomy and Physiology	60
Advanced Placement Lang & Comp/DMACC.....	25	DMACC Southridge Career Academy	102
Advanced Placement Lit & Comp/DMACC.....	25	Drawing.....	75
Advanced Placement Psychology	42	Economics	40
Advanced Placement United States Government ...	40	Elective Course Flow Chart	63
Advanced Placement United States History	38	Elective Course Numbers	62
Advanced Placement World History	39	Economics Basics.....	113
Advanced Science 9.....	56	English 9	21
Advanced Sculpture.....	77	English 9 Basics.....	111
Aerospace Engineering	65	English 10	21
Ag Business/DMACC Career Academy.....	104	English 10 Basics.....	111
Agricultural Business	96	English 11 Basics.....	111
Agricultural Leadership.....	97	English 12 Basics.....	112
Agriculture Education Course Flow Chart.....	94	English 11/12 Part I.....	22
Agriculture Education Course Numbers	93	English 11/12 Part II.....	23
Algebra I	47	English 11 Basics.....	111
Algebra I Essentials	46	Enrollment.....	6
Algebra II	49	EPIC Learning Program.....	18
American Literature	23	Family & Consumer Science Course Flow Chart.....	86
Anatomy and Physiology	59	Family & Consumer Science Course Numbers	85
Animal Science.....	61	FFA	97
Applications in Drafting/DMACC.....	90	Fine Arts Course Numbers - Music.....	66
Applied Marketing.....	84	Fine Arts Course Numbers - Visual	73
Applied Mathematics I/DMACC	48	Fine Arts - Music Course Flow Chart	67
Applied Mathematics II/DMACC	48	Fine Arts - Visual Course Flow Chart.....	74
Architectural Drafting I.....	90	Finite Math/DMACC.....	51
Architectural Drafting II/DMACC.....	91	Foods I.....	87
Art I.....	75	Foods II.....	87
Auto Collision/DMACC.....	103	Forensic Science	61
Automotive Mechanics Technology/DMACC.....	103	French I.....	31
Band 9-12	69	French II.....	31
Biology.....	56	French III/DMACC.....	31
Biotechnology in Agriculture	96	French IVDMACC	32
Business and Marketing/DMACC	105	Fundamentals in Drafting/DMACC.....	90
Business Technology.....	81	General Math A.....	47
Business Technology Basics	81	General Math B.....	47
Ceramics.....	76	General Math Basics.....	114
Chemistry.....	57	Geometry	49
Child Care I.....	87	German I.....	32
Child Care II.....	87	German II.....	32
Choir 9 - Bass Choir	68	German III.....	33
Choir 9 - Treble Choir	68	German IV.....	33
Choir 10 - Choraliers.....	68	Government Basics.....	113
College Algebra	50	Graphic Design	78

Guidance Course Numbers	106	Pre-Algebra I.....	46
Health I	99	Pre-Algebra II.....	46
Health II	99	Principles of Crop Production/DMACC	97
Health Occupations/DMACC	104	Principles of Engineering/DMACC	64
Health & Physical Education Course Numbers	98	Psychology I.....	41
High School Requirements for State Universities....	11	Psychology II.....	41
Horticulture	61	Publications.....	26
How to Calculate a Students Admission Score	12	Requirements for High School Graduation	8
Human Relations	115	SAE.....	97
Index.....	115 & 116	Science 9	56
Individual/Personal Fitness.....	99	Science Course Flow Chart	54
Individual/Dual Recreation Activities.....	100	Science Course Narrative	55
Indianola High School Scheduling Guidelines	5	Science Course Numbers	53
Industrial Technology Course Flow Chart.....	89	Sculpture	77
Industrial Technology Course Numbers	88	Second Chance Reading	112
Intro to AFNR.....	95	Senior Year Plus	10,107
Intro to Engineering Design/DMACC	64	Service Learning	107
Introduction to Marketing	84	Skills Credit	114
Introduction to Theatre.....	27	Social Studies Course Flow Chart	36
Language Arts Course Flow Chart	20	Social Studies Course Narrative	37
Language Arts Course Numbers	19	Social Studies Course Numbers.....	35
Life Skills.....	115	Sociology	41
Math Course Flow Chart.....	44	Spanish I.....	33
Mathematics Course Narrative	45	Spanish II	33
Mathematics Course Numbers	43	Spanish III	34
Microsoft Office Applications/DMACC	81	Spanish IV/DMACC	34
Modern World History.....	38	Special Needs.....	108
Modern World History Basics	113	Special Needs Courses Level 1 & 2	109
Music History Appreciation/DMACC	71	Special Needs Courses Level 3.....	110
Music Theory I/DMACC	70	Sprint-In-depth, Independent Study	107
Music Theory II/DMACC	71	Statistics/DMACC	50
NAIA Eligibility	17	Studio I Staff	28
Natural Resources	96	Summer Physical Education	101
NCAA Division I Academic Requirements	13	Survey of Literature.....	24
NCAA Division II Academic Requirements	14	Teacher Academy/DMACC.....	105
NCAA Information.....	16	Team Games/Activities & Sports	100
NCAA Recruiting Rules	15	Tech Math Basics	114
News Staff	26	Total Body Fitness & Conditioning-Beginner	100
ODYSSEYWARE.....	107	Total Body Fitness & Conditioning-Advanced.....	101
Oral Communication	27	Trigonometry/Pre Calculus	51
Orchestra	70	United States Government.....	40
Painting.....	76	United States History 9	38
Peer Physical Education.....	101,111	United States History Basics.....	113
Personal and Business Law	83	Video Production.....	28
Personal Finance/DMACC.....	83	Welding/DMACC.....	104
Photography	78	World Languages Course Flow Chart.....	30
Physical Science.....	57	World Languages Course Numbers.....	29
Physical Science Basics	112	Yearbook I.....	26
Physics	59	Yearbook II.....	26
Post Secondary Enrollment/Senior Year Plus	7	Yearbook III.....	27