



CHS PLANNING GUIDE **2022-2023**

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Equal Opportunity Policy

It is the policy of the Carlisle Community School District not to discriminate on the basis of race, color, age (for employment), sex, religion, national origin, creed, sexual orientation, gender identity, marital status (for programs), socioeconomic status (for programs) or and disability in its educational programs and its employment practices. There is a grievance procedure for processing complaints of discrimination. If you have questions or a grievance related to this policy, please contact the district Equity Coordinator:

Brandon Eighmy, Director of Human Resources and School Services
Carlisle School Administrative Office, 430 School Street, Carlisle, IA 50047
515-989-3589, brandon.eighmy@carlislecsd.org

Definition of Terms Used

Credit

One credit is earned for successfully completing a course for one semester.

Prerequisite

Specific preliminary requirements must be successfully completed in order to advance to the next course of a sequence within certain disciplines. "Successfully completed" means that a student should have a passing grade of A, B, C, or D. The purpose of a prerequisite is to help ensure that students will be successful in subsequent courses. This will facilitate in the preparation of planning for desired goals in education. Exceptions may be made through a conference with the parent, student, teacher, and counselor or principal.

Carlisle High School Activities

Art Club
Band
Baseball
Basketball
Bowling
Cheerleading
Chorus
Class Officer
Color Guard
Cross Country
Dance
Debate

Drama
Football
Golf
Gay Straight Alliance (GSA)
Jazz Band
Joyology
Mathletes
Mock Trial
National Honor Society
Prom Committee
SkillsUSA

Soccer
Softball
Speech
STAND-Students Taking Action Not Drugs
Student Ambassadors
Student Council
Swimming
Track
Volleyball
Wrestling
Yearbook- Multimedia

GRADUATION REQUIREMENTS

47 CREDITS

Four years of high school attendance including grades 9-12.

Freshman will carry a minimum of 8 and sophomores will carry a minimum of 7 credits per semester. Juniors and seniors will carry a minimum of 6 credits per semester.

REQUIRED CLASSES		
LANGUAGE ARTS	8 Credits	Lang Arts 9, Lang Arts 10, Lang Arts 11, 2 LA electives, OR Composition I & II OR AP Literature & Composition
SCIENCE	6 Credits	Physical Science, Biology, Chemistry OR Advanced Chemistry
MATHEMATICS	6 Credits	Must complete Algebra I and Geometry
PRACTICAL ARTS	2 Credits	Industrial Technology, Business, Family & Consumer Science, and Art
SOCIAL STUDIES	6 Credits	World History, US History, Government, elective
PHYSICAL EDUCATION	4 Credits	1 every year of attendance
BUSINESS	1 Credits	Financial Literacy & Employability Skills
ELECTIVES		To meet requirements
CPR		Must be completed one time in grades 8-12

Basic High School Plan

Freshman Year	Sophomore Year
2 credits Language Arts 9	2 credits Language Arts 10
2 credits Math	2 credits Math
2 credits Science	2 credits Science
2 credits Practical Arts	1 credit Physical Education
2 credits World History	1-2 credit(s) Social Studies
1 credit Physical Education	7 Elective credits
5 Elective credits	
Junior Year	Senior Year
2 credits Language Arts 11	2 credits English
2 credits U.S. History	1 credit Government
2 credits Science	1 credit Social Studies
2 credits Math	1 credit Physical Education
1 credit Physical Education	1 credit Financial Literacy & Employability
3-5 Elective credits	7-9 Elective credits

School Board Policy 505.6

Pre-High School Credits. Students who complete required high school credits in an accredited school in the United States prior to high school will have the course recorded in the high school record. The course will apply to the subject area credit requirement for a diploma, and the course will apply to the minimum total credit requirement for a diploma. It will also be calculated in the student's grade point average and count toward class rank.

High School Core Course Requirements: Students are required to take three years of mathematics, science and social studies and four years of language arts courses in grades 9-12.

Distinguished Diploma

53 credits		
LANGUAGE ARTS	8 Credits	Lang Arts 9, Lang Arts 10, Lang Arts 11, Composition I & Composition II or AP Literature & Composition
SCIENCE	8 Credits	Must complete Chemistry AND AP Chemistry, Anatomy, AP Physics, or PLTW Principles of Biomedical Science, Marine Biology, Zoology
MATHEMATICS	8 Credits	Must complete Algebra II or higher (Applied Math does not count towards requirements)
PRACTICAL ARTS	2 Credits	Industrial Technology, Business, Family & Consumer Science, and Art
SOCIAL STUDIES	6 Credits	World History, US History, Government, elective
PHYSICAL EDUCATION	4 Credits	1 every year of attendance
BUSINESS	1 Credits	Financial Literacy & Employability Skills
WORLD LANGUAGE	4 Credits	
ELECTIVES		To meet requirements

Seal of Biliteracy

The Seal of Biliteracy is an award given by a district to recognize students who have attained proficiency in two or more languages, one of which is English, by high school graduation." Students will be awarded the Seal based on an ACT score of 18 or above and an AP Spanish test score of 3 or above. In addition to receiving the Seal on their diploma and transcript, the students who will receive the Seal this year (based on last year's AP and ACT scores). We are pleased to offer this recognition of students' hard work and success, thus demonstrating their commitment to valuing language diversity and cultural identity. The Seal of Biliteracy will serve as a way for Carlisle High School students to highlight their proficiency in two languages as they apply for college and jobs beyond high school.

Early Graduation

Carlisle High School students may graduate early provided:

- All course requirements as stated in the student handbook have been met
- A formal application signed by the student, parent, school counselor, and high school principal must be completed and presented to the high school principal by **December 1st in the year which the student wishes to graduate.**

If students elect early graduation, the following will apply:

- Students having been given the option of early graduation shall not be permitted to participate in any extracurricular activity nor will they be eligible for post-secondary option funds following the completion of the graduation requirements, but may attend formal graduation exercises at the end of the eighth semester. They may also attend all senior activities throughout the year.
- Students not wishing to attend formal graduation exercises may receive their diploma from the high school principal at the end of the eighth semester.
- All students, whether they complete requirements for graduation at the end of seven semesters or at the end of the regular school year, will be ranked together in determining class rank.
- Proof of graduation will be submitted in writing upon request by the high school principal to any institution of higher learning or prospective employer.

Parents and students are urged to discuss the possible advantages and disadvantages of early graduation. The ultimate responsibility for this educational decision will rest with the parents and the students.

*******SCHEDULE CHANGES*******

Schedule changes will only be made in the following circumstances:

- Failure in a previous course
- Computer or clerical error
- Failure to meet a course pre-requisite
- Missed graduation requirement
- If there is space available in requested course

****ALL CHANGES MUST BE MADE BY THE END OF THE FIRST WEEK OF THE SEMESTER****

Dropping Classes during the Semester

- To drop a class during the semester, the student must have a conference with administrators and/or counselors.
- A student can be dropped from a class by a teacher because of grades, discipline issues, or lack of work completion.
- Students who drop courses during the semester will receive an F on their report card and transcript for the semester.
- Students must maintain a minimum of 6 credits per semester unless on an alternative schedule.

Online Credit Recovery (Board Policy 604.10)

In order to take online coursework for credit recovery:

- The course is not offered at the high school
- Credit and/or unit/component recovery
- Unavoidable scheduling conflict
- Supplement to homebound instruction
- Student has been expelled, but educational services are to be continued
- The principal, with agreement from the student's teachers and parents, determines the student requires a differentiated or accelerated learning environment.

A student may work on online courses for skill development at the request of the principal, counselor, teacher, or parent.

Online course work will be scheduled into a period during the regular school day. Course work may be accessed from any computer with internet access.

NOTE: Students who fail a required course for the semester will be re-enrolled during the next available semester.

Weighted Grading Policy

Both an unweighted 4.0 scale and a weighted 5.0 scale will be reported. Both weighted and unweighted grade averages and class ranks will be displayed on transcripts. Graduation honors will be determined by the weighted grading scale.

- Unweighted grades are awarded on an A's = 4.0, B's = 3.0, C's = 2.0, D's = 1.0, F = 0.
- Weighted grading calculation, A's = 5.0; B's = 4.0; C's = 3.0; D's = 2.0, F = 0.

Courses to be weighted include any current and future Advanced Placement (AP), and College level courses that are granted credit by an accredited college. Course weight determinations will be made and updated on an annual basis and include courses in all content areas. All college courses taken by students starting in the 2015-16 school year will receive a weighted 5.0 grading scale on transcripts.

Career Planning - Online Curriculum –Naviance Student

Each year students are required to complete tasks related to career and college planning to earn .25 elective credit for graduation. Students must complete tasks in the system, Naviance™ Student to earn their credit, <http://connection.naviance.com/carlislehs>

Senior Year Plus (SYP)

Students may enroll for courses at a post-secondary institution. Funds for this enrollment will be provided by the local school district. Students must meet the college entrance requirements, be proficient on core areas of the Iowa Statewide Assessment of Student Progress, and meet any pre-requisites required by the college. Post-Secondary classes may be taken at the college campus or over the Internet.

One high school credit will be granted for every 3 hours of college credit earned. **Grades and credits earned will be recorded on the individual's transcript and will be included in the cumulative grade point average, class rank, and credits earned toward graduation.** Students must provide their own transportation for on campus courses.

Student interested in taking post-secondary courses should contact the counseling office to complete the necessary paper work and to discuss available courses. The biggest challenge with students enrolling in SYP courses is finding courses to fit into the daily schedule.

The deadline to register for SYP is the last day of the semester at CHS immediately preceding the semester in which students wish to enroll or the college's initial deadline (whichever comes first).

Iowa Online AP Academy

Prerequisite: Students must have 3.5 GPA or higher to enroll in any of the following courses. Enrollment must be completed the spring semester prior to the school year the student wishes to enroll in the course.

AP English Language and Composition

AP Macroeconomics*

AP Microeconomics*

AP Physics 2

*Denotes a one-semester course. One-semester courses are available either semester. All other courses are two semesters in length and start only in the fall term. All College Board Advanced Placement® exams are given in May

NOTE: IOAPA Online AP courses are provided as an option for Advanced Placement courses that are not available at the school site. These courses are not intended to replace classes taught at the school site, nor are they intended to be a "virtual school" apart from the school program. Carlisle offers the following AP courses: AP Literature and Composition, AP Psychology, AP Human Geography, AP US History, AP Government, AP Statistics, AP Calculus AB, AP Calculus BC, AP Physics 1, AP Chemistry, and AP Spanish Language & Culture.

*For more information about Advanced Placement courses and exams go to <http://apcentral.collegeboard.com>.

Advanced Placement (AP) Courses

Carlisle High School offers 11 AP courses. These courses are weighted on a 5.0 scale.

AP Physics 1

AP Chemistry

AP Spanish Language & Culture

AP Literature and Composition

AP Calculus AB

AP Calculus BC

AP Statistics

AP Government

AP Human Geography

AP Psychology

AP US History

NCAA Initial Eligibility Clearinghouse

Athletes who plan to participate in sports at the Division I or II level must earn a qualifying high school grade point average in 16 core courses. The "NCAA Guide for the College-Bound Student-Athlete," which contains the rules and regulations can be obtained on-line at: www.ncaaclearinghouse.net. All applications must be completed on-line.

NCAA Approved Core Courses

ENGLISH	MATHEMATICS	SOCIAL STUDIES	NATURAL/ PHYSICAL SCIENCE	ADDITIONAL CORE COURSES
Composition I	Algebra 1	Economics	Anatomy and Physiology (lab)	Spanish 1
Composition II	Algebra 2	AP Government	Biology (lab)	Spanish 2
Issues in Literature	Geometry	Government	Chemistry (lab)	Spanish 3
Creative Writing	Pre-Calculus	Psychology	Physical Science	Spanish 4
Language Arts 9	AP Calculus AB	Sociology	AP Physics 1 (lab)	AP Spanish Language & Culture
Language Arts 10	AP Calculus BC	US History	AP Chemistry (lab)	
Language Arts 11	AP Statistics	AP Psychology		
Language Arts 12		AP Human Geography		
Alt. Lit. Perspectives		AP US History		
AP Literature & Comp		World History		

Regent Admission Index (RAI)

<http://www.regents.iowa.gov/RAI/>

Students who wish to enter Iowa State University, the University of Northern Iowa, or the College of Liberal Arts and Sciences at The University of Iowa directly from high school will be admitted based upon the following three factors: ACT composite score, high school grade point average, and number of high school courses completed in the core subject areas.

Note: For purposes of calculating the RAI, SAT scores will be converted to ACT composite equivalents; high school rank is expressed as a percentile with 99% as the top value; high school GPA is expressed on a 4-point scale; and number of high school courses completed in the core subject areas is expressed in terms of years or fractions of years of study.

A Regent Admission Index (RAI) score will be calculated for each applicant, based on the following equation:

RAI = (3x ACT composite score) + (30 x high school grade point average) + (5 x number of high school courses completed in the core subject areas)

Applicants who achieve at least a 245 RAI score and who meet the minimum high school course requirements will automatically be offered admission. Applicants who achieve less than a 245 RAI score and who meet the minimum high school course requirements may also be offered admission, but their applications will be reviewed on an individual basis.

"Typical Student Example"

$$\text{ACT score} = 24 \times 3 = 72$$

$$\text{HSGPA} = 3.5 \times 20 = 105$$

$$\text{Number of core courses completed} = 18 \times 5 = 90$$

$$\text{Admissions Index} = 267$$

CORE COURSES AVAILABLE AT CARLISLE HIGH SCHOOL

English		Social Studies	
Language Arts 9	1	World History	1
Language Arts 10	1	US History	1
Language Arts 11	1	American Government	.5
Language Arts 12	.5	AP Government	1
Composition I	.5	Economics	.5
Composition II	.5	Psychology	.5
Issues in Literature	.5	AP Psychology	1
Creative Writing	.5	Sociology	.5
Alternative Literary Perspectives	.5	AP Human Geography	1
AP Literature and Composition	1	AP US History	1
Mathematics		Science	
Algebra 1	1	Physical Science	1
Geometry	1	Biology	1
Algebra 2	1	Anatomy & Physiology	1
Pre-Calculus	1	Chemistry	1
AP Calculus AB	1	AP Chemistry	1
AP Calculus BC	1	AP Physics 1	1
AP Statistics	1	Advanced Chemistry	1
Probability & Statistics	1		
World Language			
Spanish 1	1		
Spanish 2	1		
Spanish 3	1		
Spanish 4	1		
AP Spanish Language & Culture	1		

In addition to meeting the Regent Admission Index requirement, students must complete the minimum number of high school courses specified below for the institution to which they're applying.

Subject Area	Iowa State University	The University of Iowa	University of Northern Iowa
English/Language Arts	Four years of English/Language Arts emphasizing writing, speaking, reading, as well as an understanding and appreciation of literature.	Four years, with an emphasis on the analysis and interpretation of literature, composition, and speech.	Four years, including one year of composition; also may include one year of speech, communication, or journalism.
Math	Three years, including one year each of algebra, geometry, and advanced algebra.	Three years, including two years of algebra and one year of geometry, for admission to the College of Liberal Arts and Sciences. Four years, including two years of algebra, one year of geometry, and one year of higher mathematics (trigonometry, analysis, or calculus), for admission to the College of Engineering.	Three years, including the equivalent of algebra, geometry, and advanced algebra.
Natural Science	Three years, including one year each from any two of the following: biology, chemistry, and physics.	Three years, including one year each from any two of the following: biology, chemistry, and physics for admission to the College of Liberal Arts and Sciences. Three years, including at least one year of chemistry and one year of physics, for admission to the College of Engineering.	Three years, including courses in general science, biology, chemistry, earth science, or physics; laboratory experience highly recommended.
Social Science	Two years for admission to the Colleges of Agriculture, Business, Design, Human Sciences, and Engineering. Three years for admission to the College of Liberal Arts and Sciences.	Three years, with U.S. history and world history recommended for admission to the College of Liberal Arts and Sciences. Two years, with U.S. history and world history recommended, for admission to the College of Engineering.	Three years, including courses in anthropology, economics, geography, government, history, psychology, or sociology.
World Language	Two years of a single world language for admission to the College of Liberal Arts and Sciences and the College of Engineering. World language courses are not required for admission to the Colleges of Agriculture, Business, Design, or Human Sciences.	Two years of a single world language.	World language courses are not required for admission. However, two years of a world language in high school with a C- or above in the last term will meet the university graduation requirement.
Other Courses	Specific elective courses are not required for admission to Iowa State University.	Specific elective courses are not required for admission to The University of Iowa.	Two years of additional courses from the required subject areas, foreign languages, or fine arts.

DMACC CAREER ADVANTAGE PROGRAMS

You MUST complete a registration form ONLINE to be enrolled.

PRE-REGISTER TODAY!

1. Visit <https://www.dmacc.edu/careeradvantage/Pages/cadmaccclasses.aspx>

OR

Visit www.dmacc.edu

Click on "Prospective Students"

Click on "High School Programs"

Click on "Career Advantage Program"

Click on "Classes at DMACC"

2. Select the Academy location you wish to enroll

3. Complete the online pre-registration form

*All academy pre-registrations must be approved by your school counselor.

*Student are enrolled on a first come, first serve basis.

Programs Available at the Southridge Center

AUTO COLLISION Times available: M–F 7:40-9:40am or 1:10-3:10pm

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. Thirteen DMACC credits are available upon completion of all DMACC Career Academy course offerings.

AUTOMOTIVE TECHNOLOGY Times available: M–F 7:40-9:40 am or 1:10-3:10 pm

The Automotive Technology 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, and electricity. Eleven DMACC credits are available upon completion of all DMACC Career Academy course offerings. A second year of programming is available for returning students as well.

BUSINESS & MARKETING Times available: M-F 1:10-3:10pm

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. A total of 17 DMACC credits are available upon completion of all DMACC Career Academy course offerings.

CRIMINAL JUSTICE Times available: M–F 7:40-9:40am or 1:10-3:10 pm

The Criminal Justice program introduces students to criminal law and crime scene investigation and prepares students for entry into the criminal justice field. Sixteen DMACC credits are available upon completion of all DMACC Career Academy course offerings.

HEALTH OCCUPATIONS Times available: M–F 7:40-9:40 am or 1:10-3:10 pm

This yearlong program will provide students the opportunity to explore careers in health care and work toward CNA training. Thirteen DMACC credits are available upon completion of all DMACC Career Academy course offerings. Students with a criminal history may be excluded from this program. *Courses require extended clinical sessions in evenings and/or weekends.**

HUMAN SERVICES/SOCIAL WORK Times available: M–F 1:10-3:10 pm

This program is designed for those students who are interested in gaining a better understanding of the Human Services field and the helping professions. The program emphasizes skills needed in working with clients such as interviewing, making appropriate referrals and assisting with mental counseling. Due to the nature of this class, mature topics will be discussed. Twelve DMACC credits are available upon completion of all DMACC Career Academy course offerings.

TEACHER ACADEMY Times available: 1:10-3:10 pm

The Teacher Academy 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 school teachers during portions of their assigned class time. Courses fulfill Level 1 Field Experience requirements at many four year colleges. Eight DMACC credits are available upon completion of all DMACC Career Academy course offerings.

WELDING Times available: M-F 7:40-9:40 am or 1:10-3:10pm

This program allows students to engage in experiential learning in the area of welding. Nine DMACC credits are available upon completion of all DMACC Career Academy course offerings. DMACC offers both year 1 and year 2 of welding.

**

The following Career Academy Programs are offered on the DMACC ANKENY Campus:

- **Accounting**
- **Business Administration**
- **Computer-Aided Design Technology**
- **Computer Programming**
- **Culinary Arts**
- **Cyber Security**
- **Diesel Technology**
- **Engineering Technology**
- **Fashion**
- **Medical Technician (EMT) (Fall OR Spring Semester)**
- **Machine Operations/Tool & Die, Diesel,**
- **Visual Communications (Graphic Design/Web)**

Students can register for any of the DMACC Programs with the online registration process at the beginning of this section.

COURSE OFFERINGS 2022-2023

Page	Course Title	Course #	Credits	Grade	Prerequisite
13	FINE ARTS				
	Band	520/521	2	9, 10, 11, 12	
	Concert Choir	525/526	2	9, 10, 11, 12	
	Color Guard	523	.25	9, 10, 11, 12	
	Drawing & Cartooning	552	1	9, 10, 11, 12	
	Color Drawing & Painting	556	1	9, 10, 11, 12	
	Ceramics	564	1	9, 10, 11, 12	
	Introduction to Photography	5500	1	9, 10, 11, 12	
	Intermediate: Drawing	553	1	10, 11, 12	yes
	Intermediate: Painting	554	1	10, 11, 12	yes
	Intermediate: 3D Design	551		10, 11, 12	yes
	Advanced Art	558/561	1	10, 11, 12	yes
+	DM Painting 133	559	1	11, 12	yes
+	DM Drawing 143	560	1	11, 12	yes
16	WORLD LANGUAGE				
	Spanish I	500/501	2	9, 10, 11, 12	
	Spanish II	502/503	2	9, 10, 11, 12	yes
	Spanish III	504/505	2	10, 11, 12	yes
+	Spanish IV (DM FLS 151/152)	508/509	2	11, 12	yes
+	AP Spanish Language & Culture (DM FLS 241/242)	506/507	2	11, 12	yes
17	LANGUAGE ARTS				
	Language Arts 9	100/101	2	9	Required
	Language Arts 10	110/111	2	10	Required
	Advanced Language Arts 10	110H/111H	2	10	
	Language Arts 11	120/121	2	11	Required
	Advanced Language Arts 11	120H/121H	2	11	
	Language Arts 12	130	1	12	yes
+	AP Literature and Composition (DM LIT 101)	170/171	2	12	yes
+	Composition I (DM ENG 105)	150	1	11, 12	yes
+	Composition II (DM ENG 106)	151	1	11, 12	yes
	Creative Writing	162	1	11, 12	
	Issues in Contemporary Literature	163	1	11, 12	
+	Communication Skills (DM COM 703)	164	1	11, 12	
	Alternative Literary Perspectives	165	1	10, 11, 12	

****A “+” indicates a 5.0 weighted course****

Page	Course Title	Course #	Credits	Grade	Prerequisite
19	SCIENCE				
	Physical Science	200/201	2	9	Required
	Biology	210/211	2	10	Required
	Chemistry	220/221	2	10, 11, 12	yes
	Advanced Chemistry	224/225	2	10, 11, 12	yes
	Marine Biology	214	1	10,11,12	yes
	Zoology	215	1	10,11,12	yes
+	AP Physics 1	232/233	2	11, 12	Yes
+	AP Chemistry	260/261	2	11,12	yes
	Anatomy & Physiology	262/263	2	11,12	yes
	PLTW Principles of Biomedical Science	240/241	2	10, 11, 12	yes
22	MATHEMATICS				
	Algebra I	310/311	2	9, 10, 11, 12	Required
	Geometry	320/321	2	9, 10, 11, 12	yes
	Algebra II	330/331	2	9, 10, 11, 12	yes
	Applied Math	332/333	2	11,12	yes
	Pre-Calculus	340/341	2	10, 11, 12	yes
+	AP Calculus AB (DM MAT 211)	350/351	2	11, 12	yes
+	AP Calculus BC (DM MAT217)	352/352	2	12	yes
+	AP Statistics (DM MAT 157)	372/373	2	10, 11, 12	yes
	Probability & Statistics	370/371	2	10, 11, 12	yes
24	SOCIAL STUDIES				
	World History	400/401	2	9/10	Required
	U.S. History	410/411	2	11	Required
+	AP US History	412/413	2	11, 12	
	American Government	420	1	12	Required
	Psychology	461	1	10, 11, 12	
+	AP Psychology	462/463	2	10,11,12	yes
	Economics	464	1	10, 11, 12	
	Sociology	465	1	10, 11,12	
+	AP Government	421	1	12	yes
+	AP Human Geography	466/467	2	9, 10, 11, 12	
27	INDUSTRIAL TECHNOLOGY				
	Introduction to Construction	530	1	9, 10, 11, 12	
	Intermediate Construction	531	1	10, 11, 12	yes
	Construction Theory	534	1	10, 11, 12	yes
+	Building Trades	537/538	4	11, 12	yes
	Introduction to Welding	549	1	10, 11, 12	yes
	CADD I	540	1	9, 10, 11, 12	
+	CADD II	541	1	9, 10, 11, 12	yes
+	Architectural Design	542	1	10,11,12	yes
	Engineering Design	543	1	10,11,12	yes
	Enterprise: Engineering & Manufacturing	5400/5401	1/2	11, 12	yes

****A “+” indicates a 5.0 weighted course****

Page	Course Title	Course #	Credits	Grade	Prerequisite
30	FAMILY & CONSUMER SCIENCES				
	Introduction to FCS	580	1	9	
	Food & Nutrition	581	1	10, 11, 12	
	Bakery	589	1	10, 11, 12	yes
	Culinary Arts	582	1	10, 11, 12	yes
	Child Development 1	583	1	10, 11, 12	
	Child Development 2	584	1	10, 11, 12	yes
	Adult Living	586	1	11, 12	
	Fashion Analysis & Design	588	1	10, 11, 12	
	Enterprise: Food Production	5800/5801	1/2	11, 12	yes
33	BUSINESS EDUCATION				
	Microsoft Applications I	601	1	9, 10, 11, 12	
	Introduction to Business	603	1	9, 10	
	Media Production & Web Design	605	1	9, 10, 11, 12	
	Graphic Technology	606	1	9, 10, 11, 12	
	Business Law	610	1	10, 11, 12	
	Entrepreneurship	611	1	10, 11, 12	
+	Accounting (DM ACC 111)	621/622	2	10, 11, 12	
	Financial Literacy & Employability Skills	623	1	11, 12	Required
+	WBL – Classroom (DM ADM 221)	624	1	11, 12	yes
+	WBL - Work Experience (DM ADM 936)	625	2/sem	12	yes
	Multimedia (Yearbook)	628	2	10, 11, 12	yes
36	COMPUTER SCIENCE				
	Computer Science Principles	630	1	9, 10, 11, 12	
37	PHYSICAL EDUCATION				Required
	PE-Lifetime Fitness	591	1	9,10, 11, 12	
	PE-Strength and Conditioning	592	1	11, 12	
	Athletic Weightlifting	593/594	1	9, 10, 11, 12	yes
	PE-Team Activities	597	1	9,10,11,12	
	PE- Individual/Dual Activities	599	1	9,10,11,12	
38	ELECTIVES				
	Introduction to Drama	641	1	10,11,12	
	Health – The Social/Emotional You	643	1	9, 10, 11, 12	
	Health – The Physical You	644	1	9, 10, 11, 12	
	POST SECONDARY OPTIONS				
+	Online/On Campus	*register w/counselor	varies		yes
+	DMACC Career Advantage Courses	*register online w/DMACC	varies		yes

****A “+” indicates a 5.0 weighted course****

FINE ARTS

Graduation Requirements: 2 credits of practical arts (family & consumer science, business, art courses, or industrial technology).

High School Band

Grades: 9-12

Credits: 2

Course #...520/521

Offered: All year course

Prerequisite: Middle School Band or Instructor Approval

Band is a "performance-based" class for students who enjoy instrumental music. Emphasis is placed on individual improvement as well as ensemble achievement. All students in band are required to rehearse and perform with the marching and concert band. The jazz and pep bands are open to any student in band. There are also other individual and group opportunities available. Grading is based on attendance and effort in rehearsals, lessons, and performances as well as outcomes on performance tests and the semester exam. High school band meets every day.

Concert Choir

Grades: 9-12

Credits: 2

Course #...525/526

Offered: All year course

Concert Choir is a "performance-based" class for students who enjoy vocal music. Students will learn the basic skills involved in choral singing, sing a wide variety of music, and learn to achieve a common goal. Activities that are **required** as a member of the Carlisle Choir include **all** concerts, **Fall Musical**, every **even** year, **solo-ensemble contest** held at Carlisle, and **Large Group Contest** in May. Students may participate in the following activities, but they are not required: singing the National Anthem, OPUS (freshmen), All-State, Raccoon River Conference Vocal Festival and any other vocal opportunities that may be available.

High School Art Curriculum Redesign:

No Prior Classes or Knowledge required for Introduction Level Classes

Introduction to Art: Drawing and Cartooning

Grade: 9-12

Credits: 1

Course #...552

Offered: Both Semesters, Student Demand

This course focuses on basic drawing skills related to drawing in black and white as well as concepts and ideas dealing with basic cartoon design. Students will work with a variety of black and white materials to develop and create drawings as well as creating a variety of unique and creative cartoon designs. No prior knowledge or experience necessary!

Introduction to Art: Color Drawing and Painting

Grade: 9-12

Credits: 1

Course #...556

Offered: Both Semesters, Student Demand

This studio course introduces students to basic drawing and painting skills and techniques. We will work with Colored pencils and other drawing materials to develop color drawings. We will also explore basic painting techniques, movements and styles. Students will learn the basics of color and work with acrylic and water color paint. No prior knowledge or experience necessary!

Ceramics

Grade: 9-12

Credits: 1

Course #...564

Offered: Both Semesters, Student Demand

Ceramics is an introductory studio art course available to any student that is interested in further working with clay. Ceramics is a hands-on production class that involves creative hand-building techniques and surface design with clay. Surface decoration, glazing, firing techniques, sculptural design and functional pottery construction will be explored. Intermediate and advanced art could follow.

Introduction to Art: Photography

Grade: 9-12

Credits: 1

Course #...5500

Offered: Both Semesters, Student Demand

This is a studio course that deals with the development and creation of photographs in both Color and Black and White. Students will work with the development of a variety of photographic ideas and techniques as well as photographic manipulations. . No prior knowledge or experience in art is necessary! A good introductory class to experience a variety of artistic fundamentals

Prior Classes or Knowledge required for Intermediate Level Classes. Introductory level classes are required prior to doing intermediate level classes.

Intermediate Art: Drawing

Grade: 9-12

Credits: 1

Course #...553

Offered: Both Semesters, Student Demand

This course will be for students who are ready to pursue higher level artistic pursuits but are not quite ready for advanced art. This class will act as a bridge between advanced art and the various other art courses and It will focus on the skills necessary to be successful in higher order artistic pursuits which include idea generation, research and project development.

This studio course introduces students to basic drawing skills and techniques. We will work with pencils and other drawing materials to develop a variety of black and white and color drawings. No prior knowledge or experience necessary! Here you learn the basics of how to draw and do projects that teach about drawing in pencil and in a variety of color mediums.

Intermediate Art: Painting

Grade: 9-12

Credits: 1

Course #...554

Offered: Both Semesters, Student Demand

This course will be for students who are ready to pursue higher level artistic pursuits but are not quite ready for advanced art. This class will act as a bridge between advanced art and the various other art courses and It will focus on the skills necessary to be successful in higher order artistic pursuits which include idea generation, research and project development.

The course deals with basic painting techniques, movements and styles. Students will learn the basics of color and work with acrylic and water color paint. No prior knowledge or experience necessary! You will learn about paint and color and create paintings of different types, styles, and subject matter.

Intermediate Art: 3-D Design

Grade: 9-12

Credits: 1

Course #...551

Offered: Both Semesters, Student Demand

This course will be for students who are ready to pursue higher level artistic pursuits but are not quite ready for advanced art. This class will act as a bridge between advanced art and the various other art courses and It will focus on the skills necessary to be successful in higher order artistic pursuits which include idea generation, research and project development.

In this course students will create a variety of designs and sculptural forms. Anything goes here as students will explore a variety of materials and artistic processes. Examples of some of the work in this course would be mirror design, painting, drawing, 3-D design etc. You will make a bunch of different things on a bunch of different surfaces. It could be anything!

Prior Classes or Knowledge required for Advanced Level Classes. Intermediate level classes are required prior to doing Advanced level classes.

Advanced Art

Grade: 10-12

Credits: 1

Course #...558/561

Offered: Both Semesters, Student Demand

The following courses are designed for students interested in pursuing their interest in art and for those students that have an interest in going on to college for art. **Advanced art can be taken multiple times for credit.** No one area of advanced art can be taken more than one time. For example: a student could take art history, comic book design and abstract painting as advanced art classes but cannot take art history more than once. The following is a list of focus areas that students may choose to explore:

- Abstract Drawing- students will develop their ability to look at things in an abstract manner
- Abstract Painting- students will explore a variety of abstract painting techniques and styles
- Advanced 3-D Design – Students will explore and develop 3-D structures.
- Advanced Cartooning- students will complete weekly strip cartoons and political or use oriented cartoons
- Advanced Design- students will work with more advanced designs and patterns as well as illustrations
- Advanced Drawing- black/white and color drawing and biological and graphic illustrations will be explored
- Advanced Graphic Art- Deals with a further exploration into creating design graphically.
- Advanced Painting- students will explore painting styles, movements and techniques
- Advanced Surfaces and Structures- students will explore a variety of materials and processes to create designs and sculptural forms
- Comic Book Design- students will develop a comic book from inception to completion
- Photography – Having your own camera and printing supplies would be necessary to do this.

Prior Classes or Knowledge required for DMACC Level Classes. Advanced level classes are required prior to doing DMACC level classes.

DMACC Drawing:

Course #...559

Grades: 11-12

Credits: 1 (3 DMACC)

This studio course aims to develop students' ability to render figures and objects and to refine drawing skills and techniques. Working primarily from dry media, students will use line, value and tone to develop an understanding of proportions, structure, and anatomy of the figure, of objects and of things around them in the world. This is a college level course and expectations will be such. Students will earn 3 DMACC college credits for ART133.

DMACC Painting:

Course #...560

Grades: 11-12

Credits: 1 (3 DMACC)

This studio course aims to develop students' ability to paint a variety of forms and concepts and to refine their painting skills and techniques. Working primarily from acrylic paint students will create paintings using their imaginations, the real world and historical data. They will learn the various tenants of painting and how to apply them to their work. This is a college level course and expectations will be such. Students will earn 3 DMACC college credits for ART143.

WORLD LANGUAGE

Graduation Requirements: None

PLEASE NOTE: World language increases your score on the Regent Admission Index for Iowa Regent Universities.

Spanish I

Credits: 2

Course # ...500/501

Offered: All year course

This course is an introduction to the Spanish language and culture. Conversational and grammatical formations are supplemented by both listening and writing activities. There is an emphasis on sentence structure, useful vocabulary, and acquiring proper pronunciation skills. Students are required to take notes in class throughout the school year. The student will participate in individual speaking activities that allow for oral practice in the Spanish language, and be expected to learn and retain explanations given in class. An awareness of, and appreciation for, cultural differences will be instilled.

Spanish II

Credits: 2

Course #...502/503

Offered: All year course

Prerequisite: Full year of Spanish I (It is strongly recommended students receive a B- or better in Spanish 1 to continue on to Spanish 2)

This course will continue developing oral, listening, reading, and writing skills. A greater understanding of the various aspects of conversational construction will be stressed. Individual and group activities will be used in comprehension, speaking, and writing. Cultural differences continue to be presented to promote cultural awareness. Daily work provides practice and aids in mastering the language. The students' ability to use the target language in speaking and in writing will be a part of the evaluative process. Students are expected to initiate conversations in Spanish with the instructor.

Spanish III

Credits: 2

Course #...504/505

Offered: All year course

Prerequisite: Full year of Spanish II (It is strongly recommended that students earn a B or above in Spanish II)

More emphasis is placed on students using Spanish in conversations. This course will stress further oral and written competency, increased student initiative in recognition and reading skills. Students will study various elements of Hispanic culture. Students will be evaluated on their ability to use the written and spoken language.

Spanish IV

Credits: 2 (10 DMACC credits)

*****This course is weighted on a 5.0 GPA scale*****

Course #...508/509

Offered: All year course

Prerequisite: Full year of Spanish III (It is strongly recommended that students earn an 80% or above)

Spanish 4 focuses on building students' ability to use both written and spoken Spanish, while refining grammar and accuracy. The course is taught almost exclusively in Spanish and students are expected to use as much Spanish as possible in class. Students will study cultural practices, products and perspectives from throughout the Spanish-speaking world and will compare and contrast them to their home culture.

Students earn 10 DMACC credits for Elementary Spanish I/II FLS 151/152 upon successful completion of this course.

AP Spanish Language & Culture

Credits: 2 (8 DMACC credits)

This course is weighted on a 5.0 GPA scale

Course #...506/507

Offered: All year course

Prerequisite: Full year of Spanish III (It is strongly recommended that students take Spanish 4 before taking AP Spanish and receive an 80% or above)

Material presented in this course is at a beginning university level and almost exclusively in Spanish. This course will stress further oral and written skills, a refinement of students' grammar skills and abilities to translate. The course focuses on reading from authentic resources, such as literature and multimedia sources and interpreting meaning and responding in Spanish. A strong emphasis will be placed on using spoken Spanish and being able to explain and to express opinions. The course will prepare students to take the AP Spanish Language and Culture exam in the spring and also improve their Spanish abilities simultaneously.

Students earn 8 DMACC credits for Intermediate Spanish I/II FLS 241/242 upon successful completion of this course.

LANGUAGE ARTS

Graduation requirements: Language Arts 9, Language Arts 10, Language Arts 11, Language Arts 12 OR Composition I, and Elective.

Language Arts 9-12

Grade level Springboard curricula with consumable student workbook for each student. Each Language Arts unit will introduce academic vocabulary, key ideas and details, language and writer's craft items, multiple writing prompts, and access a variety of texts. Instructors will focus instruction on learning targets that connect to Advanced Placement concepts and citation of textual evidence, implement a variety of learning strategies with guided reflection on the learning process, and assess student learning multiple times per unit. Springboard curricula used grades 6-12 will offer students multiple chances to learn language arts concepts for mastery.

AP Literature and Composition

Grade: 12

Credits: 2 (3 DMACC- LIT101)

This course is weighted on a 5.0 GPA scale

Prerequisite: B- or higher in previous LA courses

Course #...170/171

Offered: All year course

Students who choose AP Literature & Composition should be interested in studying literature of various periods and genres and using this wide reading knowledge in discussions and written analysis. As they read, students consider a work's structure, style and themes, as well as much smaller scale elements such as the use of figurative language, imagery, symbolism, and tone. Students should expect to read several novels, short stories, plays, and poetry. **Students can earn 3 DMACC credits for LIT101 upon successful completion of this course.**

Composition I

Grade: 11, 12

Credits: 1 (3 DMACC-ENG105)

This course is weighted on a 5.0 GPA scale

Course #...150

Offered: Fall Semester

Prerequisite: Score of 70 or higher on COMPASS **OR** 21 or higher on ACT English, proficient on all core IA Assessments

Recommended: B- or higher in previous LA courses

Composition I introduces students to the college-level writing process through the construction and revision of a series of expository and persuasive essays. Students may also produce other writing appropriate to the academic and working world. Through exposure to a variety of college-level readings, the students will build critical reading skills, and students will be expected to respond to assigned readings in a variety of ways. The course introduces library and computer-based research strategies. Students will write and revise at least 4 essays and produce a minimum of 20 pages.

Composition II

Grade: 11, 12

Credits: 1 (3 DMACC- ENG106)

This course is weighted on a 5.0 GPA scale

Course #...151

Offered: Spring Semester

Prerequisite: C- or higher in Composition I

Composition II is a continuation of Composition I. Students will analyze, synthesize, and evaluate texts. Effective academic research is also emphasized. Assignments may include expository and persuasive writing appropriate to academic and professional contexts. Students will write and revise three or more essays, including a research-based argument, and produce a minimum of 20 pages of prose. Academic integrity is a key expectation of this course.

Creative Writing

Grades: 10-12

Credits: 1

Course #...162

Offered: One Semester

This is a composition class designed to give students the opportunity to discover, explore, and attempt different formats of writing. Students will write personal essays, short stories, various poems, a one-act play, and a novella. Students will have the opportunity receive and provide feedback in a writing lab format.

Issues in Contemporary Literature

Grades: 11-12

Credits: 1

Course #...163

Offered: One Semester

This course will address issues of contemporary interest contained in literature written within the past 50 years. The class will involve reading various forms of literature, viewing video selections, researching various topics in print and electronic media, and participating in class discussion, individual presentations, and group presentations. The grade for the course will be based on class participation, completion of projects, completion of assigned reading, and tests and quizzes.

Communication Skills

Grades: 11- 12

Credits: 1 (3 DMACC-COM703)

This course is weighted on a 5.0 GPA scale

Course #...164

Offered: One Semester

This course will focus on verbal and nonverbal communication elements, including ways to improve intercultural communication and communication between the genders. Students will practice adapting communication content and style for different purposes and different audiences. Students will prepare and deliver many speeches, including a formal research presentation. This course is required for vocational programs. **The 3 DMACC credits may transfer to four-year colleges or universities as elective credit.**

Alternative Literary Perspectives

Grades 10-12

Credits: 1

Course #...165

Offered: Spring Semester

This class will focus on applying critical analysis to genres beyond the common novel. Students will examine comic books/graphic novels, tabletop/video games, and social media/podcasting in order to identify the important roles they play in modern society.

SCIENCE

Graduation Requirements: 6 credits

Suggested sequence for science courses

9 th grade	10 th grade	11 th grade	12 th grade
Physical Science	Biology	Chemistry	AP Physics 1, Anatomy, or AP Chemistry
Biology	Chem/Advanced Chemistry	AP Physics 1, Anatomy, or AP Chemistry	AP Physics 2, AP Chemistry, or Anatomy

Physical Science

Grade: 9

Credits: 2

Course #...200/201

Offered: All year course

Physical Science is the study of matter and energy. Major areas of study include classification of matter, atoms, space and earth science, climate, motion, energy, and waves. Hands-on learning and lab activities are an important part of this class. Another key part of physical science is using mathematics to describe the world around us. This class serves as an introduction to concepts covered in more detail in chemistry and physics.

Biology

Grade: 10

Credits: 2

Course #...210/211

Offered: All year course

Prerequisite: Physical Science

Biology deals with living organisms and how they function. This involves studying topics such as ecology, genetics, and biotechnology. The course utilizes laboratory experiences so each student has the opportunity to explore concepts while using the scientific method of inquiry. Instructional methods included in biology are lab activities, discussion, lecture, and group collaboration.

Chemistry

Grades: 10-12

Credits: 2

Course #...220/221

Offered: All year course

Prerequisite: C- or better in Algebra I and Biology; concurrent or previous enrollment in Algebra II or Applied Math

Chemistry is the study of matter and the changes it undergoes. First semester chemistry emphasizes how to describe and measure matter, atomic structure, and bonding. Second semester includes units on reactions, quantifying chemistry, states of matter, and equilibrium. Students will participate in lab activities that encourage them to explore concepts prior to discussion and apply what they have learned in a new manner.

Advanced Chemistry

Grades: 10-12

Credits: 2

Course #...224/225

Offered: All year course

Prerequisite: C- or better in Algebra I and Biology; concurrent or previous enrollment in Algebra II or Applied Math

Students who take accelerated chemistry are interested in quantitatively and conceptually exploring the interactions between matter and energy to a greater extent than what is provided in chemistry. The class will allow students to be more prepared for AP chemistry or other college-level chemistry curriculum, but they are not required to take AP chemistry. The class will cover an accelerated version of the chemistry curriculum and wrap up the year with a transition into units of study that cover states of matter, thermodynamic basics, kinetics, and equilibrium that will represent introductory college-level curriculum and rigor.

Marine Biology

Course #...214

Offered: Semester long course

Prerequisite: Biology

Marine Biology introduces students to the study of life in ocean environments. During this semester-long course, students will learn about the diverse groups of marine organisms, variety of ecosystems and habitats, and current events in today's oceans, such as: overfishing, ocean acidification, coral bleaching, restoration and marine protected areas. Students will also gain an understanding of benefits and types of coral reefs as well as the characteristics of organisms in the deep sea. Through labs, projects, and direct instruction, students will learn about the diversity of ocean environments and how the creatures that live there are adapted to best survive.

Zoology

Course #...215

Offered: Semester long course

Prerequisite: Biology

Zoology is the study of the behavior, anatomy, physiology, and classification of animals. This is a semester-long course that will introduce students to the diverse animal kingdom, emphasizing the systematics and morphology of vertebrates and invertebrates. We will be covering topics such as: animal behavior, entomology (insects), ornithology (birds), mammalogy (mammals) and herpetology (amphibians). Instructional methods will include experimentation, several laboratory dissections, direct instruction, and individual research. Students will be making detailed examinations of selected animal phyla

AP Physics 1

Grades: 11-12

Credits: 2

This course is weighted on a 5.0 GPA scale

Course #...232/233

Offered: All year course

Prerequisite: Chemistry and Algebra 2

This course the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, mechanical waves and sound. It will also introduce electric circuits. This class has a very strong mathematical emphasis. In addition, students are expected to complete web-based lessons and labs independently once per week. **This class prepares students for the AP exam and those scoring a 3 or better may receive college credit.**

Anatomy & Physiology

Grades: 11-12

Credits: 2

Course #...262/263

Offered: All year course

Prerequisite/Co-requisite: Biology and Chemistry

Anatomy and physiology is the study of the human body and how it works. A major focus of this course is systemic anatomy where students examine the various systems of the body. Emphasis is on the following systems: integumentary, skeletal, muscular, digestive, and circulatory. During this time, other concepts such as organic chemistry, histology, and biotechnology are utilized. Instructional methods include laboratory activities, independent study, discussion, and lecture. This course concludes with a complete dissection of the fetal pig.

AP Chemistry

Grades: 11-12

Credits: 2

This course is weighted on a 5.0 GPA scale

Course #...260/261

Offered: All year course

Prerequisite: Chemistry

In this course, students will take an extended look at some of the concepts from chemistry as well as brand new ideas. This class will help to better prepare the students for later chemistry courses in terms of content and additional lab experiences, procedures, and technology. The main topics of this course will include chemical reactions, quantum theory, bonding, thermochemistry, gases, liquids and solids, solutions and solubility, kinetics, equilibrium, acid/base equilibrium and equilibrium and solubility. This course is recommended for any student considering a medical, engineering, or any other science related career path. **This class prepares students for the AP exam and those scoring a 3 or better may receive college credit. This course is an elective and cannot be used as a substitute for an Iowa Core course.**

PLTW Principles of Biomedical Science

Grades: 11-12 (10 if space permits)

Credits: 2

This course is weighted on a 5.0 GPA scale

Course #...240/241

Offered: All year course

Prerequisite: Biology

This introductory biomedical science course allows students to investigate concepts of biology and medicine as they explore health conditions such as heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. Students will determine the factors that led to the death of a fictional woman as they piece together evidence found in her medical history and her autopsy report. Students will investigate lifestyle choices and medical treatments that might have prolonged the woman's life and demonstrate how the development of disease is related to changes in human body systems. The activities and projects introduce students to human physiology, biology, medicine, and research processes and allow students to design experiments to solve problems. Key biological concepts including maintenance of homeostasis in the body, metabolism, inheritance of traits, and defense against disease are embedded in the curriculum. **This course is an elective and cannot be used as a substitute for an Iowa Core course.** Students may take an end of course assessment that can earn them college credit.

MATHEMATICS

Graduation Requirements: 6 credits (All students are required to complete Algebra I, Geometry, and Algebra II OR Applied Math to graduate)

Suggested sequence for math courses

9 th grade	10 th grade	11 th grade	12 th grade
Algebra 1	Geometry	Algebra 2	Pre-Calculus OR AP Statistics
Geometry	Algebra 2	Pre-Calculus	AP Calculus OR AP Statistics

Algebra I (Required)

Grades: 9-12

Credits: 2

Course #...310/311

Offered: All year course

Prerequisite: Pre-Algebra or 8th grade math

This course deals with the following mathematical concepts: Solving algebraic equations and inequalities, simplifying expressions, polynomial operations, graphing linear equations, problem solving, data analysis and probability among other topics. This course is designed to help students improve their ability and confidence toward math and prepare students for successful completion of Geometry and/or Algebra II.

Geometry

Grades: 9-12

Credits: 2

Course #...320/321

Offered: All year course

Prerequisite: Algebra I

This course is designed to emphasize the study of properties and applications of common geometric figures in two and three dimensions. It includes the study of transformations and right triangle trigonometry. Inductive and deductive reasoning skills are used in problem solving situations and real-world connections are made. It also emphasizes writing formal proofs to justify properties of geometric figures.

Algebra II

Grades: 9-12

Credits: 2

Course #...330/331

Offered: All year course

Prerequisite/Co-requisite: Successful completion or concurrent enrollment (with teacher approval) in Geometry

Algebra II starts with a continuation of concepts studied in Algebra I. Students will be challenged by new concepts that require graphing skills, function analysis, and solving higher order equations. Students are introduced to parent functions and transformations, the complex number system, conic sections, and rational expressions.

Applied Math

Grades: 11-12

Credits: 2

Course #...332/333

Offered: All year course

Prerequisite: Geometry or Teacher recommendation

This course is a continuation of Algebra I and Geometry and not designed for those that have completed Algebra II. Many topics of elementary algebra will be reviewed and expanded on from Algebra I and Geometry. Some of the topics include equations, inequalities, quadratics, probability and statistics, personal finance, and others. Applications of these topics will also be explored.

Probability and Statistics

Grades: 10--12

Credits: 2

Course # 370/371...

Offered: All year course

Prerequisite: Completion or concurrent enrollment in Geometry or Algebra II

Statistics is the science of collecting, analyzing, and interpreting data while probability is determining how likely something is to occur. Together, probability and statistics is one of the most applicable used branches of mathematics used (and often highly misused) by the general public. Upon completing the class, students will have an understanding of the basic concepts of probability and statistics including exploring data through patterns and graphs, sampling and experimentation with planning and conducting studies, exploring randomness with probability and stimulation, and statistical inference. The course is also a good, but not required, course introducing several topics in AP Statistics.

Pre-Calculus

Grades: 10-12

Credits: 2

Course #...340/341

Offered: All year course

Prerequisite: Algebra II

This course is designed to provide a thorough background for entry into a calculus course. Topics of Algebra II will be reviewed and studied with an emphasis on the different types of functions including polynomial, rational, trigonometric, logarithmic and exponential functions. Pre-Calculus is strongly recommended for college-bound students and is necessary for students who plan on taking AP Calculus.

AP Calculus AB

Grade: 11-12

Credits: 2 (5 DMACC credits)

*****This course is weighted on a 5.0 GPA scale*****

Course #...350/351

Offered: All year course

Prerequisite: Pre-calculus

This course will result in equivalent skills to a traditional collegiate Calculus I course. Topics covered will be limits of functions, the derivative, applications of derivatives, rates of change, definite and indefinite integrals, the fundamental theorem of calculus, and applications of integrals. Calculus is strongly recommended for students pursuing a degree at a 4-year college, especially if pursuing the sciences. Successful completion of this course will prepare the student to take the AP Calculus AB Exam for college credit.

Students earn 5 DMACC credits for Intermediate MAT 211 upon successful completion of this course.**AP Calculus BC**

Grade: 12

Credits: 2 (5 DMACC credits)

*****This course is weighted on a 5.0 GPA scale*****

Course #...352/353

Offered: All year course

Prerequisite: AP Calculus AB

This course will result in equivalent skills to a traditional collegiate Calculus I and Calculus II course. Topics covered will be limits of functions, the derivative, applications of derivatives, rates of change, definite and indefinite integrals, the fundamental theorem of calculus, applications of integrals, differential equations, sequences, series, and parametric and polar equations. **Successful completion of this course will prepare the student to take the AP Calculus BC Exam for college credit.**

Students earn 5 DMACC credits for MAT 217 upon successful completion of this course.

AP Statistics

Grade: 10-12

Credits: 2 (4 DMACC credits)

****This course is weighted on a 5.0 GPA scale****

Course #...372/373

Offered: All year course

Prerequisite: C+ or higher in Algebra II

AP Statistics is not a traditional math class. Statistics is the science of collecting, analyzing, interpreting, and drawing conclusions about data while probability is determining how likely something is to occur. Together, probability and statistics is one of the most applicable branches of mathematics used (and often highly misused) by the general public. This course will result in the equivalent skills to a collegiate introduction to statistics course. Topics covered will be descriptive statistics, designing studies, probability, and inferential statistics. **Successful completion of this course will prepare the student to take the AP Statistics Exam for college credit. Students earn 4 DMACC credits for MAT157 upon successful completion of this course.**

SOCIAL STUDIES*Graduation Requirements: 6 credits (World History, US History OR AP US History, Government, elective)***Suggested Pathway**

	9th grade	10th grade	11th grade	12th grade
All students	World History	Elective	US History or AP US History	American Government or AP Government
Social Studies Elective Courses				
Psychology	Sociology	Economics	AP Human Geography	AP Psychology

World History (Required)

Grades: 9

Credits: 2

Course #...400/401

Offered: All year course

World history provides coverage of the major segments of the history of our world, including Western and non-Western history from The Age of Exploration (1400s) to Modern Times. This course will help students develop an understanding of the events of the past in order to fully comprehend what is happening in the present. We will compare and contrast past cultures and civilizations and identify how these civilizations have contributed to modern cultures. This course will have a focus on complex reading and writing skills associated with social studies content.

United States History (Required)

Grade: 11

Credits: 2

Course #...410/411

Offered: All year course

This course will first briefly review United States political, economic, and social events from the Reconstruction Period (post Civil War), then continue up to the present day. The course will help prepare students for the future by instilling an appreciation for the development of American institutions and ways of life. There will be an emphasis on discovering the relevancy between the lives of our ancestors and our own present lives and conditions. This course will have a focus on complex reading and writing skills associated with social studies content.

AP US History (meets US History requirement)

Grade: 11

Credits: 2

This course is weighted on a 5.0 GPA scale

Course #...412/413

Offered: All year course

The AP U.S. History course is designed to provide students with the critical analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. History. Students should learn to assess historical materials—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. This course should develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. The course will include extensive chronological coverage and readings on a broad variety of topics in such special fields as economic history, cultural and intellectual history, and social history, in addition to political–constitutional and diplomatic history. **This class prepares students for the AP exam and those scoring a 3 or better will receive college credit.**

American Government (Required)

Grade: 12

Credits: 1

Course #...420

Offered: Both semesters

The purpose of this course is to insure that students gain a thorough understanding of the fundamental principles of American government. Students will study federal, state, and local levels of American government, as well as the fundamentals of the U.S. Constitution. Government is a required course for graduation. This course will have a focus on complex reading and writing skills associated with social studies content.

AP Government and Politics

Grades: 12

Credits: 2

This course is weighted on a 5.0 GPA scale

Course #...421A/421B

Offered: All year course

This course will follow the guidelines for the AP Government Curriculum. It will be far more rigorous than the regular Government class in that it will go into far more depth and will incorporate the topics of political assimilation, political media, and political parties. A student will be qualified for an AP course examination which upon successful passage may be used as college credit. A college-bound student interested in pursuing a career in government or pursuing law school should take this course. Students should enroll in American Government and AP Government for the year if they are interested in this course.

Psychology

Grades: 10-12

Credits: 1

Course #...461

Offered: One Semester

Psychology presents an introduction to the study of human behavior. Topics covered will include experimental methods, classical and operant conditioning, biology of behavior, perception, motivation, altered states, personality, developmental psychology, and abnormal psychology. Students are expected to cover and test over large quantities of reading material. The course is recommended for those interested in the social sciences and those pursuing a college study of humanities. This course will have a focus on complex reading and writing skills associated with social studies content.

AP Psychology

Grades: 10-12

Credits: 2

This course is weighted on a 5.0 GPA scale

Course #...462/463

Offered: All year course

The purpose of the Advanced Placement course in Psychology is to introduce students to the systematic and scientific study of the behavioral 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. **Upon completion of the course, students will have the opportunity to take the Advanced Placement Psychology Exam, affording college credit for successful scores on the exam.**

Economics

Grades: 10-12

Credits: 1

Course #...464

Offered: One Semester

This course will cover basic macro and micro economic concepts and theories. Some of these theories include supply and demand, monetary policy, fiscal policy, price determination, scarcity, and market behavior. The student will study stock investments.

Sociology

Grades: 10-12

Credits: 1

Course #...465

Offered: One Semester

This course will attempt to provide an understanding of the origin, development, organization, and functioning of human society. Students will study the processes and patterns of individual and group interaction, the forms of organization of social groups, and group influences on individual behavior. They will also examine the individual's specific role in society, some of the past and present social problems, and how to cope with these problems today. This course will have a focus on complex reading and writing skills associated with social studies content.

AP Human Geography

Grades: 9-12

Credits: 2

This course is weighted on a 5.0 GPA scale

Course #...466/467

Offered: All year course

Prerequisite: Successful completion of World History

The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

INDUSTRIAL TECHNOLOGY

Graduation Requirements: 2 credits of practical arts (art, family & consumer science, business, or industrial technology).

All courses are open to both male and female students.

Students who take a sequence of courses in a Career and Technical area will be better prepared for a specific field at the community college. Students earn college credits for the concurrent classes. Students interested in Construction Trades or Drafting and Design should consider the following courses:

Construction Trades	Intro to Construction	Intermediate Construction	Construction Theory	Building Trades includes DMACC Courses:		
				Material / Construction Theory	Care/Use Hand/Power Tools	Blueprint Reading
Manufacturing & Engineering	CADD I	Introduction to Welding		Work Based Learning Work Credit	Enterprise: Engineering & Manufacturing	

Introduction to Construction

Grade: 9-12

Credits: 1

Course#...530

Offered: Each Semester

This course will introduce students to the study, use and care of various hand tools and basic power tools. Students will be required to complete two projects designated by instructor.

Intermediate Construction

Grades: 10-12

Credits: 1

Course #...531

Offered: Each Semester

Prerequisite: Introduction to Construction

This course will build on and further student's knowledge of woodworking. Students will begin to research, design and construct projects for the semester.

Construction Theory

Grades: 10-12

Credits: 1

Course #...534

Offered: Each semester, student demand

Prerequisite: Introduction to Construction & Intermediate Construction

Students will learn about and take part in various activities of the construction industry with the emphasis on concrete, framing, electrical, plumbing, drywall, carpentry, and roofing. Students will also spend a large amount of time learning about metalworking/ welding. Students will be asked to design/ build a small metalworking/ welding project for themselves. Students may need to purchase additional materials for individual projects. Next Step - After completing Construction Technology students are prepared to take Building Trades.

Next Step - After completing Construction Theory students are prepared to take Building Trades.

Building Trades

Grade: 11-12

Credits: 4 / 7 DMACC

This course is weighted on a 5.0 GPA scale

Course #...537/538

Offered: Year-long course

Prerequisite: Construction Technology, Instructor Approval

Construction Technology, Instructor Approval. A year-long construction course designed to give students advanced training and experience in residential construction. Students will be involved in constructing a home. Areas covered include: planning, financing, excavation, concrete, framing, electrical, plumbing, sheetrock, trim and landscaping. Students must meet all requirements and submit an application to be considered for acceptance into the class. Students must provide their own transportation and basic hand tools. Building Trades meets in a two period block. Seniors will have priority.

Introduction to Welding

Grades: 10-12

Credits: 1

Course #...549

Offered: One semester

Prerequisite: *Introduction to Construction*

Introduction to Welding will prepare students for careers in the welding/metalworking field. Students will learn three different types of welding: oxy-acetylene welding, traditional arc (Stick) welding, and welding with gas metal arc welding (Mig). Students will understand basic shop safety, welding techniques, and will be introduced to career opportunities within the field.

CADD I (Computer-Aided Drafting & Design)

Grades: 9-12

Credits: 1

Course #...540

Offered: Each Semester

Entry-level design course where students will learn the fundamentals of computer-aided drafting and design. Students will be introduced to the world of design and will explore career opportunities in the industry. Students will use the **AutoCAD** program to create drawings and solve design problems. Topics include: Drawing Set-up, Drafting Fundamentals, Modifying Tools, Dimensioning, Plotting, 2D & Multi-view Drawings. Students will work individually and in small groups on projects in the Mechanical Design, Architectural Design and Civil Engineering fields.

CADD II (Computer-Aided Drafting & Design)

Grades: 9-12

Credits: 1

Course #...541

Offered: Each Semester

Prerequisite: CADD I

Intermediate-level design course with an emphasis on solid modeling. Students will use the **AutoCAD**, **AutoCAD Architecture** and **Inventor Professional** programs. Topics include 2D drafting, Section Drawings and 3D Solid Modeling. Students will work individually and in small groups on projects in the Mechanical Design, Architectural Design and Civil Engineering fields.

Architectural Design

Grades: 10-12

Credits: 1

Course #...542

Offered: Each Semester

Prerequisite: CADD II

Architectural design course geared towards residential building. Area of study include: plot plans, site plans, exterior architecture, foundation plans, floor plans, plumbing & electrical plans, interior design, elevations and landscape plans. Interior design topics include: room planning and arrangement, space planning, travel patterns and interior architecture. Students will use the **AutoCAD Architecture** program to design and create a working set of residential plans.

Engineering Design

Grades: 10- 12

Credits: 1

Course #...543

Offered: Each Semester, Student Demand

Prerequisite: Architectural Design

Upper-level, project based CADD course with areas of study that include: Civil Engineering, Mapping, Construction, Mechanical Design and Architecture. Students will use state-of-the-art design programs such as: **AutoCAD Architecture, Revit Architecture, VIZ, Inventor Professional, and Civil 3D**, to solve complex design problems. Design projects may include: commercial buildings, residential buildings, consumer products, highway systems, airports, bridges, dams, campuses, habitat management, mapping and urban development plans. Students will collaborate with other classes to design and create actual products as well as incorporating GPS technologies into a CADD mapping project. Students will explore careers in the engineering and design fields. Each student will participate in a field experience with an engineering or design professional. Careers explored may include: Civil Engineering, Architecture, Interior Design, Drafting, Building Inspection, Construction Inspection, Landscape Architecture, Urban Planning, Surveying, Cartography, Project Supervision, Graphic Design and Industrial Engineering.

Enterprise: Engineering & Manufacturing

Grades: 9-12

Credits: 1

Course#...5400/5401

Offered: Each semester

Enterprise: Manufacturing is an advanced course designed to teach students how to apply organizational management and manufacturing practices within a simulated product development and enterprise environment. Activities related to development and enterprising functions such as financing, designing, producing, and marketing a product. Prerequisites include: Introduction to Construction, Intermediate Construction, Intro to Welding, and an approved application by instructor. *Students who successfully complete Enterprise: Engineering & Manufacturing will be eligible to apply and re-enroll as assistant managers during the following year.*

FAMILY & CONSUMER SCIENCES

Graduation Requirements: 2 credits of practical arts (family & consumer sciences, art, business, or industrial technology).

All courses open to both male and female students.

Students who take a sequence of courses in a career and technical area will be better prepared for a specific field at the community college. Students earn college credits for the concurrent classes. Students interested in the following careers should consider the following courses:

Early Childhood Education	Intro to FCS	Child Development 1	Child Development 2	Elementary Teacher Assistant	DMACC Teacher Academy or ECE 133	DMACC Teacher Academy or ECE 243
Restaurant Mgmt / Culinary Arts	Intro to FCS	Food & Nutrition	Culinary Arts	DMACC Iowa Culinary Institute		
Design	Intro to FCS	Fashion Analysis & Design	DMACC Marketing	DMACC Fashion Design		
Human Services	Intro to FCS	Food & Nutrition	Child Development I & II	Fashion Analysis & Design	Adult Living	Financial Literacy & Employability Skills

Intro to FCS

Grade: 9

Credits: 1

Course #...580

Offered: Fall Semester

Intro to FCS is an overview of all aspects of Family and Consumer Sciences. Students will use project based learning to explore careers in human services, design and hospitality. Human services topics include: interpersonal relationships, family studies, early childhood and personal finance. Design topics include: interior design, textile construction and fashion design. Hospitality topics include: food production, interviewing for a job and a hospitality event. The course also provides students an opportunity to develop essential life management skills.

Food and Nutrition

Grades: 10-12

Credits: 1

Course #...581

Offered: Both semesters

Food and Nutrition introduces students to a variety of experiences in food preparation and nutrition. Students will be introduced to knife skills, culinary measurements, proper procedures for safety and sanitation, and the importance of nutrition. Students will prepare grain products, fruits, vegetables, eggs, dairy products, meats, and poultry. Baking will be introduced through the preparation of cookies, quick breads and yeast breads. Regular labs provide students with hands on experience in food preparation, collaboration, and product evaluation. Students entering this course should be willing to experience and try a variety of foods. This course is a prerequisite for Bakery and Culinary Arts.

Bakery

Grades: 10-12

Credits: 1

Course #...589

Offered: One Semester

Prerequisite: Successful Completion of Food and Nutrition

Bakery students will learn how to prepare all types of baked goods. Application of baking principles will be applied to quick breads, yeast breads, cookies, pastries, pies, cakes and popular desserts. Throughout the course students will practice industry standards for safety, sanitation and employability. Students will also be exposed to industry standard plating, product innovation, and food science.

Culinary Arts

Grades: 10-12

Credits: 1

Course #...582

Offered: One Semester

Prerequisite: Successful Completion of Food and Nutrition

Culinary Arts builds upon the concepts learned in Food and Nutrition. The course is divided into three components: preparation and presentation of ingredients, advanced baking, and international cuisine. Throughout the course, students will practice industry standards for safety, sanitation, and collaboration. Students will also be exposed to product innovation and food science. Students entering this course should be willing to experience and try a variety of foods.

Next Steps - After completing Culinary Arts students are eligible to take courses at the Iowa Culinary Institute at the DMACC Ankeny campus. See Mrs. Powell for more information about this opportunity.

Enterprise: Food Production

Grade: 10-12

Credits: 1

Course #...5800/5801

Offered: Each Semester

Prerequisite: Successful Completion of Food and Nutrition and approved application

Enterprise: Food Production is an advanced learning experience that will center on the commercial application of the advanced cooking skills, terminology, and techniques gained in the Food and Nutrition curriculum. This class will offer students who are serious about a career in the food service industry hands on experience in catering and quantity food production. Students will be engaged in the business aspects of cooking in large quantities and serving the public: analyzing needs, production charting, recipe selection, portion control, food waste management, market orders, standardized recipes, calculating food costs and marketing. The students will staff and operate a student-run business. The experience gained in this setting will allow the students to learn valuable, practical skills in the foodservice industry. *Students who successfully complete Enterprise: Food Production will be eligible to apply and re-enroll as assistant managers for additional semesters.*

Child Development 1

Grades: 10-12

Credits: 1

Course #...583

Offered: Fall Semester

Students who enjoy working with children and/or those considering a career in early childhood or elementary education, human services, nursing, or psychology will benefit from this course. Emphasis is placed on enhancing the development of young children. Topics include stages of development (prenatal-preschool age), meeting children's developmental needs, and age appropriate guidance strategies. Small and large group discussion and activities are a major emphasis of the class.

Child Development 2

Grades: 10-12

Credits: 1

Course #...584

Offered: Spring Semester

Prerequisite: Successful completion of Child Development I

This course gives students the opportunity to gain the knowledge and skills necessary for working with young children. Students will review the developmental characteristics of toddler, preschool and school age children and develop age appropriate learning experiences for children. Students will also participate in a six week lab experience and complete observations of guidance strategies and teaching methods.

Next Step Option 1 - After completing Child Development II students are eligible to take online college courses toward the CDA credential (ECE 133 & ECE 243). See Mrs. Powell for more information about this opportunity.

Next Step Option 2 - Students interested in early childhood education or elementary education should consider enrolling in the DMACC teacher academy.

Adult Living

Grade: 11-12

Credits: 1

Course #...586

Offered: One Semester

Principles of Human Services is a capstone course for juniors and seniors that will enable students to investigate careers in the Human Services Career Cluster including counseling and mental health, family studies, community services and consumer services. Course activities include hands-on projects, small and large group discussion, independent living simulations, speakers from the community, and food labs.

Fashion Analysis & Design

Grade: 10-12

Credits: 1

Course #...588

Offered: One Semester

Fashion Analysis & Design is a survey of all aspects related the fashion industry: merchandising, design and production. Students will begin by exploring the meaning of fashion, the fashion movement and a fashion career unit. Following this unit, textile fibers and fabrics will be introduced. The elements and principles of design as well as fashion sketching will finish this segment of the class. Students will also be engaged in a variety of fashion construction projects. Next Step at CHS - Marketing is a great next step for students interested in learning more about fashion marketing.

Next Step at DMACC - After completing Fashion Analysis and Design students are eligible to enroll in the Fashion or Fashion Design program at the DMACC Ankeny campus. See Mrs. Powell for more information about this opportunity.

BUSINESS EDUCATION

Graduation Requirements: 2 credits of practical arts (Family & Consumer Science, Art, Business, or Industrial Technology), Financial Literacy.

Students who take a sequence of courses in a CTE area will be better prepared for a specific field at the community college. Students earn college credits for the concurrent classes. Students interested in Business Major, Finance, Accounting, and/or Marketing should consider the following courses: **All courses are open to both male and female students.**

Business Administration & Management	Introduction to Business	Business Law	WBL Work Experience	Entrepreneurship	Accounting	Financial Literacy
Web Page, Digital Multimedia	Introduction to Business	Media Production & Web Design	Microsoft Applications I	Graphic Technology	WBL Work Experience	

Microsoft Applications 1

Grades: 9-12

Credits: 1

Course #...601

Offered: Each Semester

Students will utilize Microsoft Word, Excel, and Publisher to develop skills in word processing, spreadsheets, and publications. Upon successfully completing this course, students will utilize the software to create and format letters, memos, reports, spreadsheets, charts, and publications.

Introduction to Business

Grades: 9-10

Credits: 1

Course #...603

Offered: Each Semester

Intro to Business is designed to introduce students to common business concepts and to explore opportunities in business careers. Units will include resources and supply and demand, basics of economics, business ethics and responsibilities, human resource tasks, marketing, entrepreneurship, and career opportunities.

Media Production & Web Design

Grades: 9-12

Credits: 1

Course #...605

Offered: One Semester

Digital Media Production & Web Design will introduce students to basic concepts of Web development using Adobe Dreamweaver and to video production using Adobe Premiere. Students will be tapping into their creative side by designing websites and producing their own videos. This is a project-based class where students will learn the basic skills of both programs and then transfer those skills to projects that connect to their own personal interests. All projects and activities are designed to enable student creativity, problem-solving skills, and self-directed learning.

Graphic Technology

Grades: 9-12

Credits: 1

Course #...606

Offered: One Semester

Digital Media will introduce students to basic concepts of graphic design and photo editing. Students will use the Adobe software of InDesign and Photoshop. This is an introductory course where students will learn the elements of good design and transfer that to a variety of formats (newsletters, postcards, advertisements, etc.). In addition, students will use Photoshop to edit and enhance photos to use within those formats. All projects and activities are designed to enable student creativity, problem-solving skills, and self-directed learning.

This is a prerequisite course to Multimedia (Yearbook).

Business Law

Grades: 10-12

Credits: 1

Course #...610

Offered: One Semester

This course is designed as an introduction to law and to the study of legal issues. Areas explored include ethics, criminal and civil law, societal problems, tort law, the dual court system, trial procedures, contractual law, and consumer law. This class is an excellent beginning step for students interested in understanding the law of our land, and who have an interest in pursuing a career in business, criminal justice, or any other career related to law.

Entrepreneurship

Grades: 10-12

Credits: 1

Course #...611

Offered: One Semester

This class is offered for those students interested in either running their own business or becoming a manager. Topics covered include identifying characteristics of an entrepreneur, planning a small business, and developing a business plan. This is a project-based class where you get to go through the steps of launching your own business.

Accounting- DC

Grades: 10-12

Credits: 2/3 DMACC

This course is weighted on a 5.0 GPA scale

Course #...621/622

Offered: All year course

DMACC 111 introduces double-entry accounting, journalizing of transactions, posting, and preparation of financial statements for a sole proprietorship and a corporation. Students will Excel working papers. This course will be offered for both high school and DMACC credit. Students will receive 3 DMACC credits for ACC 111.

Next Step - After completing any combination of Business Law, Entrepreneurship, Marketing, or Accounting students maybe be interested in enrolling in DMACC Career Advantage Business and Marketing.

Financial Literacy & Employability Skills

Grades 11-12

Credits: 1

Course #...623

Offered: Each Semester

The objective of this course is to provide students with the knowledge and skills necessary for life as an adult. The course will focus on information necessary to help students plan and achieve a secure financial future. Units will include goal setting, decision making, spending plans, banking services, credit, saving & investing, insurance, identity theft, resumes and mock interviews. Students will build workplace skills such as communication and collaboration, integrity and ethical behavior, self-direction and lifelong learning. **This is a required course for graduation.**

Multimedia (Yearbook)

Grades: 10-12

Credits: 2

Course #...628

Offered: All year course

Prerequisite: Graphic Technology and/or Instructor Approval

Graphic Technology and/or Instructor Approval. Students will be responsible for producing the high school yearbook through an online program. Through this course, students will take photos and edit photos, sell advertisements, design pages, and meet project deadlines. Students will be chosen through an application process.

Next Step - After completing Graphic Technology, Media Production Web Design, and Multimedia, students may be interested in taking DMACC Career Advantage Computer Programming or Ankeny Career Academy Visual Communications.

Work Based Learning (WBL)

WBL is an 11th and 12th grade program that allows students, while still attending high school, to gain valuable real-world working experiences in a possible future career field. The WBL classroom experience is a program for all interested juniors and seniors, while the WBL work experience program is for seniors who have passed the minimum requirements set by the WBL coordinator. Students in WBL programs have been employed in law offices, architectural firms, and care centers, as well as factory, auto mechanics, and secretarial areas. The integration of the workplace and the classroom increases the understanding of employment issues and the development of employability skills.

Students who would like to be admitted into the WBL program should register during the spring semester of their **sophomore year**. They will take the classroom experience either 1st or 2nd semester of their junior year to be immediately eligible to work starting their senior year. The WBL coordinator will assist the student in obtaining employment, but the student is fully responsible for gaining employment and will not be fully admitted to the WBL work experience program until hired at a workplace approved by the WBL coordinator.

WBL – Classroom Experience:

Grades: 11, 12

Credits: 1/2 DMACC (ADM 221)

This course is weighted on a 5.0 GPA scale

Course #...624

Offered: All year course

Prerequisite: Junior/Senior or ELP identified Freshman/Sophomores

WBL Classroom Experience: Prior to entering the work experience program, students must complete WBL class, which is a one semester course dealing with workplace skills, job seeking skills, and career goal setting. This class meets daily and enables the student to communicate with other students and the coordinator about possible problems they may face in the workplace. Minimum requirements are necessary to be eligible for work experience during the senior year.

- minimum 80% (B-) or higher class grade
- 90% attendance or better for all classes during the WBL classroom experience

WBL – Work Experience:

Grade: 12

Credits: 2 per Semester/3 DMACC (ADM936)

This course is weighted on a 5.0 GPA scale

Course #...625

Offered: All year course

Prerequisite: Minimum requirements are necessary to be eligible for work experience during the senior year.

- minimum 80% (B-) or higher class grade
- 90% attendance or better for all classes during the WBL classroom experience
(less than 9 days out of a 90 day semester/term)

After successful completion of the classroom experience, the student may be eligible to gain field experience and earn high school credit through employment. Work experience would average over 15 hours per week at a workplace approved by the WBL Coordinator. Students can earn two credits each semester for successful completion of work experience. Each week, the student must turn in an employability skills time sheet and review that with the WBL coordinator.

COMPUTER SCIENCE

Computer Science Principles

Grades: 9-12

Credits: 1

Course # 630

Offered: One semester

Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in. This class will allow students to program applications using JavaScript, and they will be able to create their designs in either block or text, depending on their experience and preference. **This course is an elective and cannot be used as a substitute for an Iowa Core course.**

PHYSICAL EDUCATION

Graduation Requirements: All students are required to take 1 semester of physical education each year of high school.

PE-Lifetime Fitness:

Grade: 9-12

Credits: 1 per semester

Course #...591

Offered: Each semester

In this course, individuals will evaluate, monitor, and improve their personal fitness through participation in a variety of lifetime fitness activities. Students will design and implement a personal fitness program in a non-competitive atmosphere. This course offers cardio activities, weight training, and a variety of fitness opportunities.

PE-Strength and Conditioning:

Grade: 11-12

Credits: 1 per semester

Course #...592

Offered: Each semester

In this course students will learn all phases of a complete and comprehensive strength training program which emphasizes functional strength, progressions of major lifts including proper technique, proper spotting, and additional safety protocols.

Athletic Weights

Grade: 9-12

Credits: 1 per semester

Course #...593/594

Offered: Each semester

Prerequisite: Involved in an approved athletic program.

Athletic Weights is an advanced weight training class. Individuals out for sports are HIGHLY encouraged to take this class. In this class, advanced weight lifting techniques will be used to help enhance athletic performance. Students must be currently involved in an approved athletic program to participate in athletic weights. Priority will be given to students who are in season for a current activity. (i.e. if you are only out for a spring sport you may not be able to take athletic weights in the fall). If a student has not participated in an activity in the prior school year, a student should have participated in an off season workout to be eligible to enroll in this course during the fall semester. This course enrollment will be limited due to safety measures.

PE-Team Activities:

Grade: 9-12

Credits: 1 per semester

Course #...597

Offered: Each semester

This course consists of a variety of team sports. Examples of these sports include ultimate frisbee, volleyball, softball/wiffle ball, floor hockey, basketball, soccer/speedball, flag/aerial football, kickball, tchoukball, and touch rugby.

PE-Individual/Dual Activities:

Grade: 9-12

Credits: 1 per semester

Course #...599

Offered: Each semester

This course consists of a variety of individual/dual sports or activities. Examples of these include Badminton, Pickleball, Table Tennis, Archery, Golf, Disc Golf, and Yard games

ELECTIVES

Health – The Social/Emotional You!

Grades: 9-12

Credits: 1

Course #...643

Offered: Fall semester

This course will include your health and your mental and emotional health. Topics covered: managing stress, and mental and emotional problems, tobacco, alcohol, illegal drugs, social media, bullying and relationships. This course requires students to take notes and watch videos over the subject matter.

Health – The Physical You!

Grades: 9-12

Credits: 1

Course#...644

Offered: Spring Semester

This course will include your health and your physical health. Topics covered: the structure, function, and disorders of the human body systems, sexually transmitted diseases, HIV and AIDS, physical fitness, physical activity for life, nutrition, food, personal health. This course requires students to take notes and watch videos over the subject matter.

Introduction to Drama

Grades 10-12

Credits: 1

Course #...641

Offered: Fall Semester

Introduction to drama allows students to experience the world of theater both in front of and behind the curtain. Students will hone their onstage abilities with basic acting techniques—including oral interpretation, vocal and physical expression, and improvisation. The class will also explore general stage design focusing on set construction, lighting, and sound.

Carlisle High School
2022-2023 Registration Information

All students will use the Academic Planner in Infinite Campus to **PLAN AND REGISTER** for classes for the 2022-2023 school year. The planner is set up to give guidelines for each grade level to meet overall graduation requirements. Students should check the Academic Progress Report to be sure they have planned to take all necessary courses to meet graduation requirements.

Students will need to plan for both semesters of a year-long class. (For example: Language Arts 10 S1 and Language Arts 10 S2).

You must choose at least 2 alternates in the event that a preferred course is unavailable.

Course descriptions are available:

An online course catalog is available in the Academic Planner in Infinite Campus.

Online at www.carlislehighschoolcounseling.weebly.com under Registration Materials.

Suggested Sequencing for Required Courses

Language sequence

4 years of English to meet graduation requirements.

	9th grade	10th grade	11th grade	12th grade
Basic/CC	Language Arts 9	Language Arts 10	Language Arts 11	2 Language Arts Electives
4 year college	Language Arts 9	Language Arts 10	Language Arts 11	Composition I Composition II
4 year college ADV	Language Arts 9	Language Arts 10	Composition I Composition II	AP Literature & Composition
*LANGUAGE ARTS ELECTIVE CHOICES				
AP Literature & Composition	Alt. Lit Perspectives	Issues in Literature	Creative Writing	Communication Skills

Math sequence

3 years of Math to meet graduation requirements (must complete Algebra I).

	9th grade	10th grade	11th grade	12th grade
Basic/CC	Algebra I	Geometry	Algebra II	
4yr college	Algebra I	Geometry	Algebra II	Pre-Calculus AP Statistics Prob & Stats
4yr/Advanced	Geometry	Algebra II	Pre-Calculus AP Statistics Prob & Stats	AP Calculus AP Statistics Prob & Stats

Science sequence

3 years of Science to meet graduation requirements.

	9th grade	10th grade	11th grade	12th grade
Basic/CC	Physical Science	Biology	Chemistry	
4yr college	Physical Science	Biology	Chemistry	AP Physics 1, Anatomy, AP Chemistry
4yr/Advanced	Biology	Chemistry/ Advanced Chemistry	AP Physics 1	AP Calculus AP Statistics Prob & Stats

Social Studies sequence

3 years of social studies to meet graduation requirements.

	9th grade	10th grade	11th grade	12th grade
All students	World History	Elective	US History or AP US History	American Government or AP Government
Social Studies Elective Courses				
Psychology	Sociology	Economics	AP Human Geography	AP Psychology

NAVIANCE CCR CURRICULUM

Each year students are required to complete tasks related to career and college planning to earn .25 elective credit for graduation. Students must complete tasks in the system Naviance Student to earn their credit, <https://student.naviance.com/carlislehs>

Naviance Student allows your student to:

- **Get involved in the planning and advising process** – Build a resume, complete online surveys, and manage timelines and deadlines for making decisions about colleges and careers
- **Research colleges** – Compare GPA, standardized test scores, and college majors
- **Research careers** – Research hundreds of careers and career clusters, and take career assessments
- **Create plans for the future** – Create goals and to-dos, and complete tasks assigned by the school to better prepare your student for future college and career goals.

To access the online curriculum checklist and getting started guides for each grade level visit the counseling website <http://carlislehighschoolcounseling.weebly.com/naviance-ccr.html>

We hope that you will find this resource helpful.
If you have questions about Naviance Student,
Please contact your student's high school counselor.

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