

LINCOLN HIGH SCHOOL

COURSE CATALOG

2022–2023



VISION

ABRAHAM LINCOLN HIGH SCHOOL WILL BECOME A COMMUNITY
LEADER IN URBAN EDUCATION.

MISSION

TO EMPOWER ALL STUDENTS BY PROVIDING RIGOROUS AND RELEVANT
EXPERIENCES IN PREPARATION FOR SUCCESS IN A GLOBAL SOCIETY.

Educational Equity Statement

The Des Moines Independent Community School District does not discriminate on the basis of race, color, national origin, gender, disability, religion, creed, age (for employment), marital status (for programs), sexual orientation, gender identity and socioeconomic status (for programs) in its educational programs and its employment practices.

The Des Moines Independent Community School District offers career and technical programs in the following service areas: Agriculture, Food, & Natural Resources; Arts, Communication, & Information Systems; Applied Sciences, Technology, Engineering, & Manufacturing; Health Sciences; Human Services; and Business, Finance, Marketing, & Management. Career & Technical Education courses delivered at home high schools have no admissions requirements beyond the prerequisites listed with the course description. Central Campus is open to all qualifying high school students regardless of home district. Criteria for enrollment in Central Campus programming with requests exceeding capacity is as follows: the student expresses strong interest in a career path, is credited as a junior or senior (does not apply to courses designed for sophomores or three-year programs), has met prerequisites at their home high school, is on track to graduate, has a strong attendance record, demonstrates strong citizenship skills, and enrollment would increase opportunities for underserved populations. No one indicator is a deciding factor in enrollment. Students not meeting these criteria may work with their counselor and school administrator to seek an exception

There is a grievance procedure for processing complaints of discrimination. : If you believe you have (or your child) has been discriminated against or treated unjustly at school, please contact Susan Tallman, interim Chief of Human Resources, 2100 Fleur Drive, Des Moines, IA 50321; phone: 515-242-7709 email: susan.tallman@dmschools.org. Complaints can also be directed to the Iowa Civil Rights Commission, 400 E. 14th Street, Des Moines, IA 50319-1004, (515) 281-4121, or Region VII Office for Civil Rights, Citigroup Center 500 W. Madison Street, Suite 1475 Chicago, IL 6066



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= Course required for graduation



= Course offers DMACC college credit (credits are FREE to the students)



= Course is NCAA approved

Graduation Requirements

REQUIREMENTS	UNITS OF CREDIT
Social Studies REQUIRED: US History, US Government, Personal Economics, and 1.0 additional credit in social studies	3.0
English REQUIRED: English I, II, and English III or AP Lang and Comp, and 1.0 additional credit in English	4.0
Mathematics REQUIRED: Semester 1 and 2 of Algebra I (or higher level math course)	3.0
Science HIGHLY RECOMMENDED: Biology, Chemistry, Physics, Earth Science	3.0
Applied/Fine Arts	1.5
Physical Education REQUIRED: In compliance with Iowa law, students must be enrolled in physical education at least 1 semester each year while in high school, and must complete CPR training.	1.0
Electives	7.5
TOTAL	23

Post-Secondary Readiness Requirements

There are several paths that students can choose from for success after completing high school. The guide below can help students and their families have conversations with school counselors as they make decisions about their goals for after graduation and the choices they need to make in high school to reach those goals.

Subject	High School Diploma	Career & Technical, Apprenticeship, and Industry Certification Programs	Regents Institutions (U of I, UNI, ISU)	Highly Selective Colleges & Universities
English	English I, II, and English III or AP Lang and Comp, and 1.0 additional credit in English	English I, II, and English III or AP Lang and Comp, and 1.0 additional credit in English	Four years with an emphasis on the communication skills of writing, reading and listening, and the analysis and interpretation of literature. In addition, courses in journalism will be valuable.	Four years with an emphasis on the communication skills of writing, reading and listening, and the analysis and interpretation of literature, including AP credit. In addition, courses in journalism and media literacy will be valuable. Extracurricular activities in debate, speech, newspaper, and yearbook will further develop essential competencies.
Math	Semester 1 and 2 of Algebra I (or higher level math course), and 2.0 additional credits in Math.	Semester 1 and 2 of Algebra I (or higher level math course), and 2.0 additional credits in Math.	Four years, one in each year of high school. While advanced courses like calculus and statistics are good, it's more important that you gain a complete understanding of advanced algebra and trigonometry.	Four years, one in each year of high school, including advanced math courses like calculus and statistics.
Science	3.0 credits in Science.	3.0 credits in Science.	Three years, one in each year of high school. To be really prepared, take at least one year each of biology, chemistry, and physics.	Four years, one in each year of high school. To be really prepared, take at least one year each of biology, chemistry, and physics, and an AP Science course.
Social Studies	US History, US Government, Personal Economics and 1.0 additional credit in social studies	US History, US Government, Personal Economics and 1.0 additional credit in social studies	Three years are essential, but four is better. Take at least one year each of U.S. history and world history. Additional courses in anthropology, economics, political sci., psychology, and sociology provide important understandings.	Four years, one in each year of high school. Take at least one year each of U.S. history and world history, and an AP Social Studies course. Additional courses in anthropology, economics, political sci., psychology, and sociology provide important understandings.
Applied/Fine Arts	1.5 credits in the Applied or Fine Arts.	1.5 credits in the Applied or Fine Arts.	1.5 credits in the Applied or Fine Arts.	1.5 credits in the Applied or Fine Arts.
World Languages	World Languages count toward the 7.5 required elective credits.	World Languages count toward the 7.5 required elective credits.	World Languages count toward the 7.5 required elective credits.	World Languages count toward the 7.5 required elective credits.
Physical Education	At least one semester each year of high school, and must complete CPR training.	At least one semester each year of high school, and must complete CPR training.	At least one semester each year of high school, and must complete CPR training.	At least one semester each year of high school, and must complete CPR training.

Dual Credit and AP Courses

Lincoln offers both Advanced Placement courses, where students can earn college credit based on the results of an end-of-course exam and Dual credit courses, where students are concurrently enrolled at DMACC while taking their course at Lincoln. Some classes at Lincoln are both AP courses and Dual credit courses. Below is some information about the differences between both types of courses, as well as the advantages and disadvantages to both.

Advanced Placement

- ◆ Courses developed by committees of experts representing universities across the United States
- ◆ Quality varies from teacher to teacher, so students take an end-of-course AP exam that is developed and scored externally by professors and discipline experts, verifying the extent to which the student has mastered the college-level material
- ◆ Because there is an external assessment, credit for AP courses is granted by most (94% of) US colleges and universities
- ◆ Because there is an external assessment, AP is a valuable indicator in the college admissions process of a student's ability to succeed in college

Advantages

Feedback for students and teachers

Standardized curriculum, training and syllabus

Recognized across the country and worldwide as a rigorous curriculum

Ability to earn scholarships and national recognition

Can be transferred from school to school

Disadvantages

Must pass AP Exam to earn college credit

Must pay testing fee (these fees are covered for some AP Courses due to grants and for students in the Free Reduced Lunch Program)

Dual Credit

- ◆ Courses developed by local community colleges
- ◆ Quality varies from teacher to teacher, no external assessment to verify the rigor and quality of the course
- ◆ Because there is no external assessment, dual credit courses are not as widely recognized for credit as AP courses
- ◆ Because there is no external assessment, dual credit courses are less valuable indicators in the college admissions process of a student's ability to succeed in college
- ◆ Grades earned in dual credit courses begin a student's college transcript.

Advantages

In many cases, no test is required to earn credit

Credit is accepted at most state institutions (often awarded as general transfer credit rather than credit for the specific course taken)

DMACC credit can be transferred easily to Regents schools in Iowa as transfer credit

Disadvantages

Credit awarded depends on the receiving college/university

No uniform curriculum, training or syllabus

Credits may not transfer between colleges

DES MOINES PUBLIC SCHOOLS GRADUATION REQUIREMENTS

English & Language Arts (4 credits)		Credits
English I s1:		
English I s2:		
English II s1:		
English II s2:		
English III S1/Equivalent:		
English III s2/Equivalent:		
English IV s1/Equivalent:		
English IV s2/Equivalent:		

Social Studies (3 credits)		Credits
Social Studies s1:		
Social Studies s2:		
US History s1:		
US History s2:		
US Government:		
Personal Economics:		

Science (3 credits)		Credits
Science Class:		
Science Class:		
Science Class:		
Science Class:		
Science Class:		
Science Class:		

Mathematics (3 credits)		Credits
Algebra I s1:		
Algebra I s2:		
Math Class:		
Math Class:		
Math Class:		
Math Class:		

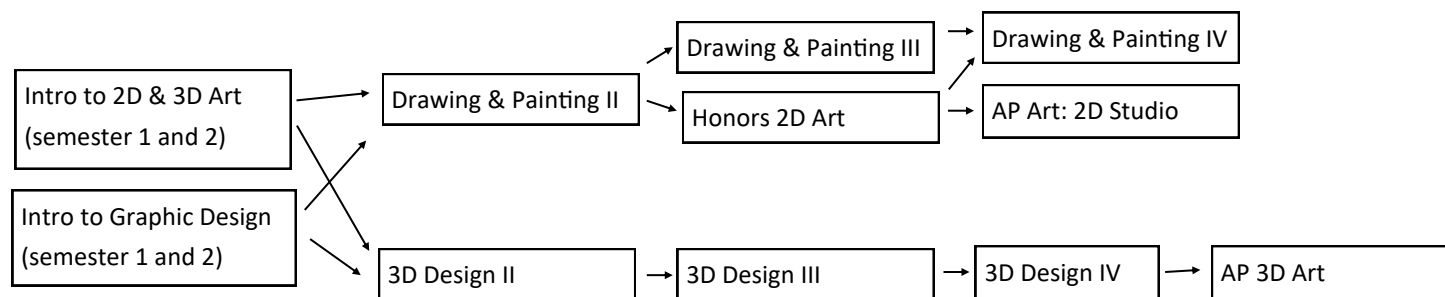
Electives (7.5 Credits)		Credits
Elective #1:		
Elective #2:		
Elective #3:		
Elective #4:		
Elective #5:		
Elective #6:		
Elective #7:		
Elective #8:		
Elective #9:		
Elective #10:		
Elective #11:		
Elective #12:		
Elective #13:		
Elective #14:		
Elective #15:		

Fine/Applied Arts (1.5 credit)		Credits
FAA Class #1:		
FAA Class #2:		
FAA Class #3:		

Physical Education (1.0 Credit)		Credits
Class:		
Class:		
CPR		Y/N

21st Century Skills		
Employability:		Y/N
Financial:		Y/N
Health:		Y/N
Technology:		Y/N

Art Pathway of Study:



Intro to 2D & 3D Art

ART101,102

Prerequisite: None

Grades: 9-12

(Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

This course is an introductory, foundational level study of all visual art standards and requires no previous art experience. Students use a variety of media, techniques and processes to express meaning and solve visual arts and creative problems.

Drawing & Painting II

ART201,202

Prerequisite: Intro to 2D & 3D Art

Grades: 10-12

(Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

This course is a further exploration of all visual art standards through the drawing and painting media such as acrylic, watercolor, oil pastels and charcoal. This course is recommended for students considering careers requiring artistic skill.

Drawing & Painting III

ART301,302

Prerequisite: Drawing & Painting II

Grades: 11-12

(Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

This course is an advanced study of all visual art standards through the drawing and painting media. This course is recommended for students considering careers in architecture, art education, art history, graphic design, illustration, interior design, or studio art.

Drawing & Painting IV

ART401,402

Prerequisite: Drawing & Painting III

Grades: 12 (Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

This advanced studio course is a study of all visual art standards through the drawing and painting media. This course is recommended for students considering careers in architecture, art education, art history, graphic design, illustration, interior design, or studio art.

Intro to Graphic Design

(ART141, 142)

PREREQUISITE: Art 141

Grades: 9-12

Year-long course (1 credit)

This course is an introduction to the principles and elements of graphic design. Students will explore different avenues of visual communication, self-expression, and creative problem-solving through the creation of commercial, interactive, and fine art. Students will engage in the creative process through planning, application, and evaluation of graphic design concepts.



3D Design II

ART211,212

Prerequisite: Intro to 2D & 3D Art

Grades: 10-12

(Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

This course is a further exploration of all visual art standards through the three dimensional sculptural media such as clay, wood, metals, fiber, paper, tile, glass, plaster, and mixed media.

3D Design III

ART311,312

Prerequisite: 3D Design II

Grades: 11-12

(Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

This advanced course is a further exploration of all visual art standards through the three dimensional sculptural media such as clay, wood, metals, fiber, paper, tile, glass, plaster, and mixed media. This course is recommended for students considering careers in architecture, art education, art history, ceramics, interior architecture, interior design, landscape design, or studio art.

Honors 2D Art

ART403,404

Prerequisite: Drawing & Painting II or instructor approval

Grades: 11 (Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

This advanced level course emphasizes making art as an ongoing process that involves the students in critical decision making; helps students develop technical skills and familiarizes them with the functions of the visual elements. The course encourages systematic, creative, investigation of formal and conceptual issues. This course provides an opportunity for future AP students to begin work on their portfolios.

AP Art: 2D Studio or Drawing Studio

ART501,502

Prerequisite: Drawing & Painting II or instructor approval

Grades: 11-12 (Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

This weighted, advanced level course emphasizes making art as an ongoing process that involves the students in critical decision making; helps students develop technical skills and familiarizes them with the functions of the visual elements. The course encourages systematic, creative, investigation of formal and conceptual issues. An AP Portfolio is a performance-based exam. Each portfolio requires submission of two distinct sections. These sections require the student to demonstrate quality and in-depth engagement (concentration).



Intro to Art History

(ART105, 106)

PREREQUISITE: NONE

Grades: 9-12

Year-long course (1 credit)

In this course, students will develop a basic vocabulary for describing visual art, an understanding of the functions of imagery, and explore the role art has played throughout Western and Non-Western history and contemporary trends. The focus of this course is describing, exploring, and participating in the creative process in order to better understand the role of art in history. This course is recommended for students considering careers in architecture, art education, art history, ceramics, fashion design, interior architecture, interior design, landscape design, or studio art or future enrollment in the AP Art History course

3D Design IV

ART411,412

Prerequisite: 3D Design III

Grades: 12 (Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

This advanced course is a further exploration of all visual art standards through the three dimensional sculptural media such as clay, wood, metals, fiber, paper, tile, glass, plaster, and mixed media. This course is recommended for students considering careers in architecture, art education, art history, ceramics, interior architecture, interior design, landscape design, or studio art.



AP 3D Art

ART507, 508

Prerequisite: 3D Design II or Instructor Approval

11

Grades:





Career & Technical Education

CTE: Business & Technology

AP Computer Science Principles

TEC551, 552

Prerequisite: Algebra I
Grades: 10-12

This course introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. The rigorous course promotes deep learning and computational content, develops computational thinking skills, and engages students in the creative aspects of the field. This course is high school elective credit, but can be math credit if the student has taken Algebra 1, Geometry, and Algebra 2. There is an opportunity to take the Advanced Placement exam in May and earn college credit with a passing score.

Intro to Business

BUS103

Prerequisite: None
Grades: 9-12
(Semester course) 0.5 Credit
Credit type: Applied/Fine Arts

Introduction to Business offers students the opportunity to examine a variety of careers in the field of business. The course will include some activities designed to help students assess their interests, aptitudes, and abilities and match them with the requirements of various occupations. Activities such as resume writing, interviewing, problem solving, and working with groups will be included in order to help students develop skills to obtain and keep a job. Topics include: economics, business organization, and career planning and development

General Business

BUS105

Prerequisite: None
Grades: 9-12
(Semester course) 0.5 Credit
Credit type: Applied/Fine Arts

General Business is designed to enhance students' understandings of the role businesses play in our present-day economic system. Topics include: banking, careers, insurance, personal investment, consumerism, credit and marketing.

Business Law

BUS321

Prerequisite: None
Grades: 9-12
(Semester course) 0.5 Credit
Credit type: Applied/Fine Arts

This course will help students understand basic legal principles relevant to individual rights and professional life. We will be learning through case studies, role-playing, online simulations and other interactive activities. Emphasis will be placed on helping students recognize those situations that occur in life that require assistance from legal professionals. Topics include: contract law, criminal/civil law, family law, and employment law.

Beginning Computer Applications

BUS111

Prerequisite: None
Grades: 9-12
(Semester course) 0.5 Credit
Credit type: Applied/Fine Arts

Beginning Computer Applications is designed specifically for students new to computer applications and/or new to the English language. Students will be introduced to Microsoft Office by producing flyers, charts, graphs, and presentations. Students will complete projects in each topic. This course will help students to develop skills needed for both professional, educational, and personal use. Topics include: word processing, presentation, spreadsheet functions, and database

College Computer Applications

BUS531

Prerequisite: None
Grades: 10-12
(Semester course) 0.5 Credit
Credit type: Applied/Fine Arts



Computer Applications includes modern information processing techniques with an emphasis on the use of electronic databases and spreadsheets. The course also stresses the importance of human relations and communication skills necessary for job success, the development of marketable skills using the most current procedures and technologies, and application of time management and decision-making skills.

College Accounting

BUS533

Prerequisite: None
Grades: 10-12
(Semester course) 0.5 Credit *Credit type: Applied/Fine Arts*

An understanding of the purpose of the accounting function will be developed during Accounting 1. This course will also assist students in the development of a vocabulary and in the acquisition of the skills and general information necessary to perform the accounting function. Topics include: accounting basics, transaction analysis, special journals, banking procedures, payroll, accounting cycle for business This course offers DMACC concurrent enrollment credit after BUS534 is completed.

Marketing / Principles

BUS311

Prerequisite: None, Co-requisite: Marketing Co-op
Grades: 9-12
(Semester course) 0.5 Credit
Credit type: Applied/Fine Arts

This course will provide a broad overview of the marketing process and the role that marketing plays in our lives. Various marketing functions such as research, transportation, warehousing, advertising, promotion, pricing and selling will be studied. There will be a heavy emphasis on occupational opportunities and requirements in each area. Topics include: marketing foundations, consumer marketing, marketing mix, and marketing plan

PLTW: Intro to Computer Science

TEC161

Prerequisite: None
Grades: 9-12
(Semester course) 0.5 Credit
Credit type: Applied/Fine Arts

Designed to be the first computer science course for students who have never programmed before, Introduction to Computer Science is an optional starting point for the PLTW Computer Science Program. Students work in teams to create apps for mobile devices using MIT App Inventor. They explore the impact of computing in society and build skills in digital citizenship and cybersecurity. Beyond learning the fundamentals of programming, students build computational-thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis. In addition, students transfer the understanding of programming gained in App Inventor to text-based programming in Python and apply their knowledge to create algorithms for games of chance and strategy. Students should have a strong interest in math and science.

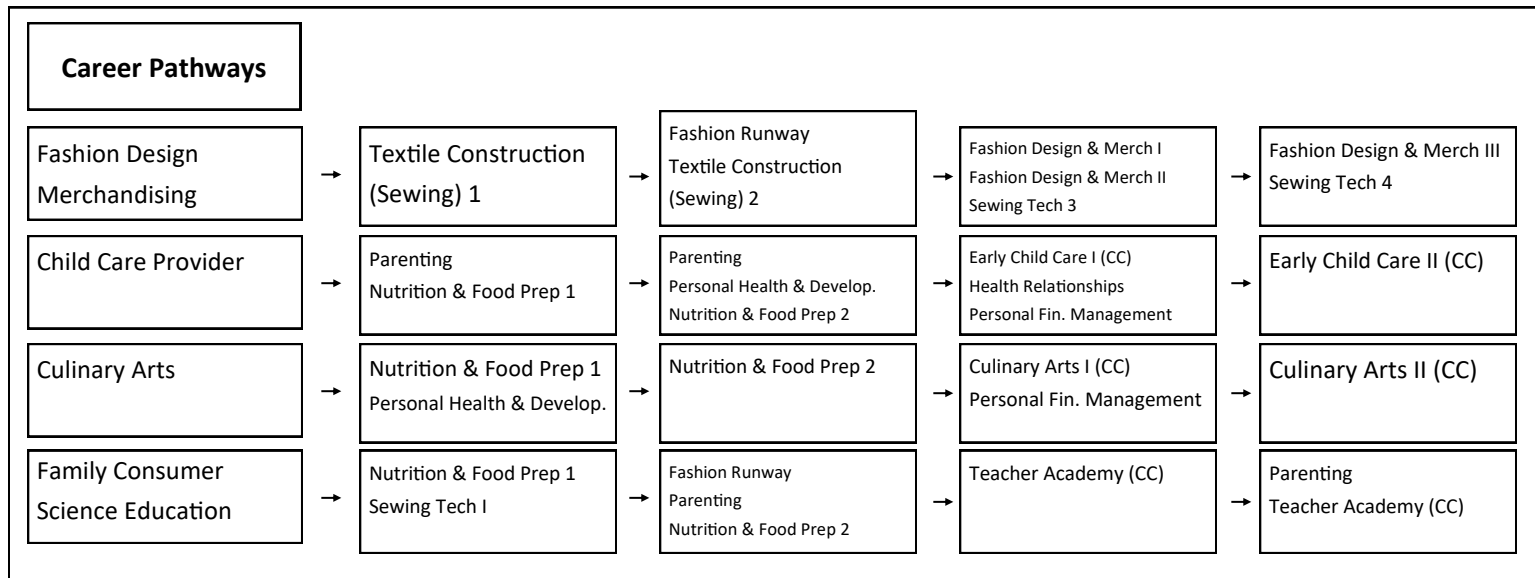
Marketing/ Entrepreneurship

BUS314

Prerequisite: None
Grades: 9-12
(Semester course) 0.5 Credit
Credit type: Applied/Fine Arts

The steps necessary when starting and managing a business will be covered in this course. The relationship of information-gathering and decision-making in business organization and management is emphasized. Personal traits and characteristics of entrepreneurs and managers will be investigated. The nature of risk and the role it and management play in our economy will be studied. Management styles and philosophies will be discussed through the use of guest entrepreneurs. To earn college credit please enroll in BUS530. Topics include: entrepreneurship, management, marketing, business plan.

CTE: Family & Consumer Science



Personal Health & Development

FCS101

Prerequisite: None

Grades: 09-12

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts

Personal Development & Health is a course designed to provide students with information about how to develop a healthy lifestyle. The topics include social health, emotional health, nutrition and weight control, substance abuse, sexually transmitted diseases, and pregnancy prevention. Students will apply problem solving and decision making skills while examining the interrelationship between physical, emotional, mental, and social health.

Future Ready: Academic & Career Planning

CTE101

Prerequisite: None

Grades: 9-10

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts

Future Ready will direct students in career and academic planning. Students will be exposed to all types of post-secondary options. Future Ready will meet graduation requirements including Health Literacy, Financial Literacy, Technology Literacy, and Employability Skills. Future Ready will help prepare students for life after high school, wherever their path may lead!

Nutrition & Food Prep 1

FCS107

Prerequisite: None

Grades: 09-12

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts

In Nutrition and Food Prep I, students will apply nutrition principles to personal eating habits; develop skills in the selection, care and preparation of a variety of food. Labs are designed to help students learn safe food preparation techniques.

Future Set: Academic & Career Planning

CTE301

(course formerly titled Adult Living Skills)

Prerequisite: None

Grades: 11-12

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts

Starting to feel nervous about graduating and moving out on your own? Do you feel ready for that next step after high school? Are you worried about handling life on your own? Future Set is a student driven curriculum course that is designed to answer all of your burning questions about life after high school! This course will cover post-secondary education/training, career readiness, housing decisions and personal financial decision making to make you successful as you navigate the world of adulthood.

Nutrition & Food Prep 2

FCS109

Prerequisite: Nutrition & Food Prep 1

Grades: 09

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts

Nutrition and Food Preparation 2 is a nutrition and food preparation course that challenges students to expand their understanding of the food industry while advancing their skills and knowledge with advanced food preparation techniques. Students will explore the basic operations of a restaurant and other food services including professional menus and dietary needs of customers. Throughout the course students will demonstrate advanced food preparation techniques while exploring foods, customs, and recipes.

Fashion Runway

FCS213

Prerequisite: Sewing Tech 1

Grades: 9-12

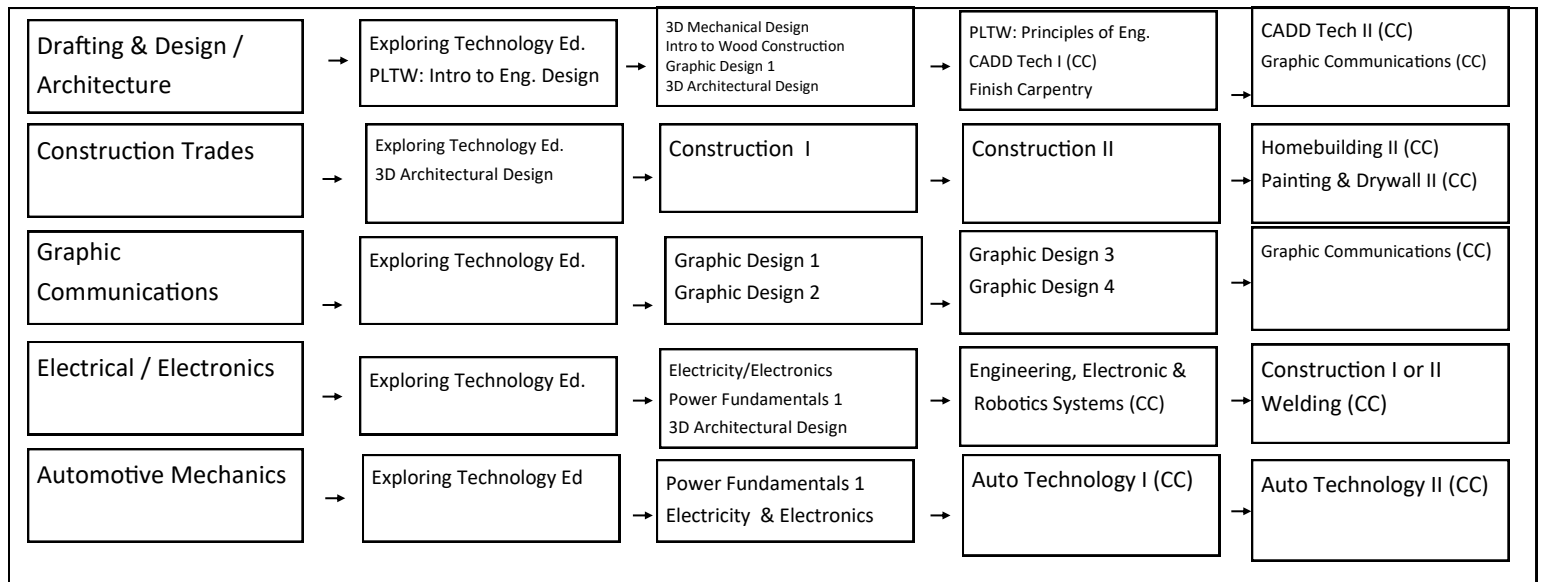
(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts

Students in Fashion Runway will explore fashion careers by doing projects similar to those done in the fashion industry. Careers included are fashion designer, marketing, and entrepreneurship. Planning a fashion show or presenting individual designs are also part of this course.

<u>Child Development I</u> FCS103 <i>Prerequisite: None</i> <i>Grades: 09-12</i> <i>(Semester course) 0.5 Credit</i> <i>Credit type: Applied/Fine Arts</i> <p>This course will include sexual health, conception, pregnancy and birth. Students will examine the decisions and responsibilities that go into planning a pregnancy. Students will develop skills in the care and guidance of children from birth through toddler. Students will participate in many activities designed to simulate the physical, social, emotional, and intellectual development of children.</p>	
<u>Child Development II</u> FCS203 <i>Prerequisite: None</i> <i>Grades: 10-12</i> <i>(Semester course) 0.5 Credit</i> <i>Credit type: Applied/Fine Arts</i> <p>Students will develop skills in the care and guidance of children from preschool to adolescent. Students will examine various type of parenting styles and determine which styles are most effective. Students will participate in many activities designed to simulate the physical, social, emotional, and intellectual development of pre-school children and teens.</p>	
<u>Health Relationships</u> FCS201 <i>Prerequisite: None</i> <i>Grades: 10-12</i> <i>(Semester course) 0.5 Credit</i> <i>Credit type: Applied/Fine Arts</i> <p>The Relationships course prepares students for a mature adult role as a single person or a marriage partner through the study of human development and relationships. The coordination of personal, marriage, family and career goals will be explored as well as resources for adjusting to change and crisis. Students will analyze skills needed to establish positive relationships with others and make health relationship choices regarding sexual activity. Students will study various relationships through the course of the life cycle. They will learn how to improve relationships as well as explore resources for adjusting to change and crisis.</p>	
<u>Future Ready: Academic & Career Planning</u> CTE101 <i>Prerequisite: None</i> <i>Grades: 9-10</i> <i>(Semester course) 0.5 Credit</i> <i>Credit type: Applied/Fine Arts</i> <p>Future Ready will direct students in career and academic planning. Students will be exposed to all types of postsecondary options. Future Ready will meet graduation requirements including Health Literacy, Financial Literacy, Technology Literacy, and Employability Skills. Future Ready will help prepare students for life after HS...whether college, vocational, or directly into the workforce. Topics include: health literacy, financial literacy, technology literacy, and employability skills.</p>	
<u>Future Set: Academic & Career Planning</u> CTE301 <i>(course formerly titled Adult Living Skills)</i> <i>Prerequisite: None</i> <i>Grades: 11-12</i> <i>(Semester course) 0.5 Credit</i> <i>Credit type: Applied/Fine Arts</i> <p>Recommended for juniors and seniors. This course helps you prepare a plan for moving out on your own and determining next steps after high school. Future Set is a student driven course that is designed to answer all of your burning questions about life after high school! This course will cover post-secondary education/training, career readiness, housing decisions and personal financial decision making to make you successful as you navigate the world of adulthood. Topics include: college readiness, housing decisions, personal finance, careers.</p>	
	<u>Textile Construction (Sewing) 1</u> FCS113 <i>Prerequisite: None</i> <i>Grades: 10-12</i> <i>(Semester course) 0.5 Credit</i> <i>Credit type: Applied/Fine Arts</i> <p>Sewing Technology I teaches sewing basics to construct clothing and textile products using appropriate equipment and techniques. Students may choose to purchase materials, patterns and notions throughout the semester for individual projects.</p>
	<u>Textile Construction (Sewing)</u> FCS205 <i>Prerequisite: Sewing Technology 1</i> <i>Grades: 10-12</i> <i>(Semester course) 0.5 Credit</i> <i>Credit type: Applied/Fine Arts</i> <p>In Sewing Technology II, students will experiment with more advanced sewing techniques. Students will select individual projects based upon their skill level and interest. Students may choose to purchase and bring materials, patterns and notions throughout the semester for individual projects.</p>
	<u>Advanced Sewing Technology 3</u> FCS305 <i>Prerequisite: Sewing Technology 2</i> <i>Grades: 11-12</i> <i>(Semester course) 0.5 Credit</i> <i>Credit type: Applied/Fine Arts</i> <p>In Advanced Sewing Technology 3, students will continue to advance their skills in the selection, purchase, construction and alternation of clothing and textiles. Students will need to purchase and bring materials, patterns and notions throughout the semester for individual projects. In this class students will create projects with the following design elements: pleats, gathers, tucks, darts, and waistbands.</p>
	<u>Advanced Sewing Technology 4</u> FCS405 <i>Prerequisite: Sewing Technology 3</i> <i>Grades: 11-12</i> <i>(Semester course) 0.5 Credit</i> <i>Credit type: Applied/Fine Arts</i> <p>In Advanced Sewing Technology 4, students will continue to advance their skills in the selection, purchase, construction and alternation of clothing and textiles. Students will need to purchase and bring materials, patterns and notions throughout the semester for individual projects. In this class students will create projects with the following design elements: collar, closure, sleeve, cuff, lining and pockets.</p>
	<u>Advanced Sewing Technology 5</u> FCS406 <i>Prerequisite: Sewing Technology 4</i> <i>Grades: 12</i> <i>(Semester course) 0.5 Credit</i> <i>Credit type: Applied/Fine Arts</i> <p>In Advanced Sewing Technology 5, students will continue to advance their skills in the selection, purchase, construction and alternation of clothing and textiles. Students will need to purchase and bring materials, patterns and notions throughout the semester for individual projects. In this class students will create their own line of clothing following design principles to be displayed in the school fashion show.</p>
	<u>Advanced Sewing Technology 6</u> FCS407 <i>Prerequisite: Sewing Technology 5</i> <i>Grades: 12</i> <i>(Semester course) 0.5 Credit</i> <i>Credit type: Applied/Fine Arts</i> <p>In Advanced Sewing Technology 6, students will continue to advance their skills in the selection, purchase, construction and alternation of clothing and textiles. Students will need to purchase and bring materials, patterns and notions throughout the semester for individual projects. In this class students will create their own line of clothing following design principles to be displayed in the school fashion show.</p>

CTE: INDUSTRIAL TECHNOLOGY



Exploring Technology Education

TEC101

Prerequisite: None

Grades: 09

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts

This course includes learning experiences in the four technological areas of graphic communications, wood/construction, metals, and drafting. In these four areas students will develop introductory skills in safety, positive work attitudes, the use of tools, equipment, processes and materials, and the application of basic working skills. These competencies and learning experiences will assist the students in identifying their career goals as it relates to the programs at Central Campus and their home high school.

Drafting: 3D Mechanical Design & Development

TEC203

Prerequisite: None

Grades: 09-12

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts

Students will be introduced to the universal language of the mechanical design and development industry. Students will apply the basic skills such as measurement and problem solving in the areas of lettering, free hand sketching, geometric construction, multi-view drawings, pictorial drawing, dimensioning, and section drawings. Students will apply computer aided design and development (CADD) skills to create these drawings.

Drafting: 3D Architectural Design & Development

TEC205

Prerequisite: Drafting: 3D Mechanical Design & Development

Grades: 10-12

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts

Students will be introduced to the universal language of the Construction Industry. Students will obtain knowledge and skills relating to the various fields of engineering; such as, construction, mechanical, industrial, structural, and civil, as well as, the fields of residential and commercial architecture. Students will apply computer aided design and development (CADD) skills to create construction drawings.

Graphic Design Fundamentals 1

TEC223

Prerequisite: None

Grades: 09-12

(Semester course) 0.5 Credit

Credit type: Applied Fine Arts

Graphic Design Fundamentals is the exchange of information in visual form. Students will use Adobe Illustrator, InDesign and Photoshop to generate designs. The students will use high tech equipment such as laser printers, digital printing presses, wide format printers/cutters and laser engravers and sublimation printers to output their designs. This is a project-based class. Some reading and written work is required. Students will learn the safe use of the basic tools and equipment used in this course. Projects could include a button, a notepad and calendar printed on a digital printing press, a coaster or key chain using the sublimation printer and a laser engraved key chain. This course is beneficial to students who will be enrolling in other advanced technology courses in high school or advanced technology courses at Central Campus.

Graphic Design Technology 2

TEC225

Prerequisite: Graphic Design Fundamentals 1

Grades: 10-12

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts

Graphic Design Technology will be an extension of the Graphic Design Fundamentals class. Students will use Adobe Illustrator, InDesign and Photoshop to generate designs. Projects could include a magazine cover, laser engraved plaque, a large banner, heat transfer T-shirt, business cards and letter head, and a tri-fold brochure. This course is beneficial to students who will be enrolling in other advanced technology courses in high school or advanced technology courses at Central Campus.

PLTW: Intro to Computer Science

TEC161

Prerequisite: None

Grades: 9-12

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts

Designed to be the first computer science course for students who have never programmed before, Introduction to Computer Science is an optional starting point for the PLTW Computer Science Program. Students work in teams to create apps for mobile devices using MIT App Inventor. They explore the impact of computing in society and build skills in digital citizenship and cybersecurity. Beyond the fundamentals of programming, students build computational-thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis.

Power Fundamentals 1

TEC215

*Prerequisite: None**Grades: 10-12**(Semester course) 0.5 Credit**Credit type: Applied/Fine Arts*

This class is for all students. Attention juniors and seniors looking for a course that offers employment opportunity upon graduation! We Partner with Toyota of Des Moines to bring students real world work experience. Students will gain knowledge of vehicle tool safety, lubrication systems, brake systems, tire and suspension systems, general electrical systems, as well as how to conduct 60-point vehicle inspections. We will also cover vehicle consumer skills and walk through the steps of researching, inspecting, and getting the best deal on your first car purchase! This course balances academic instruction time with hands on learning experiences.

Electricity & Electronics

TEC361

*Prerequisite: None**Grades: 10-12**(Semester course) 0.5 Credit**Credit type: Applied/Fine Arts*

Through classroom and lab activities students will gain skills and knowledge in the areas of basic DC and AC circuits, circuit components, codes, testing, electromagnetism and inductance, capacitance, power supplies, power generation and distribution, amplification and digital circuits. Students will learn the safe use of the tools, test instruments, equipment and supplies used in this course plus information on career opportunities in this field.

Construction: Intro to Industry

TEC231

*Prerequisite: None**Grades: 10-12**(Semester course) 0.5 Credit**Credit type: Applied/Fine Arts*

This course is for all students. Attention juniors and seniors who are want a class with job offer potential upon completion of our program! This course uses Ace accredited; LIUNA Training Education Curriculum for classroom instruction. Students will be provided boots, bibs, gloves and hard hats for outdoor simulations. This course is designed for students interested in commercial construction duties specific to the Laborers Union. Students will learn about Union history as well as participate in form setting, scaffold building, cement pouring, screeding, and gain common tool knowledge specific to cement work and forming. Students will also have the opportunity to earn an OSHA 10 card, this safety certification is accepted nationwide in the construction industry and sets our students ahead of the curve regarding training, experience and pay.

Construction Pre-Apprentice

TEC331,332

*Prerequisite: Construction I**Grades: 10-12**(Year-long course) 1.0 Credit**Credit type: Applied/Fine Arts*

The Construction Pre-Apprenticeship course will focus on the commercial construction process. Students will be working with experienced professionals in the field, as well as representatives of local contractors and local apprenticeships programs. The course will be utilizing the Ace Accredited LIUNA Training Education Fund General Construction II curriculum. Topics include: Employability Skills, Hoisting and Rigging, Cutting and Burning, Concrete, Pipe Laying, Blue Print Reading and Line Grade, Ladders and Scaffolds. Throughout the school year, the students will be involved in building a community project. General Construction II qualifies for three college semester hours in Introduction to Construction Technology. Completion of this course qualifies for direct entry to LIUNA's Construction Craft Laborers' Apprenticeship Program.

PLTW: Intro to Engineering Design (college)

TEC501,502

*Co-requisite: Algebra I; proficient in math**Grades: 09-12**(Year-long course) 1.0 Credit**Credit type: Applied/Fine Arts*

Introduction to Engineering Design (IED) is a high school engineering course in the PLTW Engineering Program. In IED, students explore engineering tools and apply a common approach to the solution of engineering problems, an engineering design process. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students' progress from completing structured activities to solving open-ended projects and problems that require them to plan, document, communicate, and develop other professional skills. Through both individual and collaborative team activities, projects, and problems, students apply systems thinking and consider various aspects of engineering design including material selection, human-centered design, manufacturability, assemblability and sustainability. Students develop skills in technical representation and documentation, especially through 3D computer modeling using a Computer Aided Design (CAD) application. As part of the design process, students produce precise 3D-printed engineering prototypes using an additive manufacturing process. Student-developed testing protocols drive decision-making and iterative design.

Improvements. To inform design and problem solutions addressed in IED, students apply computational methods to inform design by developing algorithms, performing statistical analyses, and developing mathematical models. Students build competency in professional engineering practices including project management, peer review, and environmental impact analysis as part of a collaborative design team. Ethical issues related to professional practice and product development are also presented.

PLTW: Principles of Engineering Design (college)

TEC503,504

*Prerequisite: TEC501,502**Grades: 10-12**(Year-long course) 1.0 Credit*

Principles of Engineering (POE) is a foundation course of the high school engineering pathway. This survey course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the 69

strength of materials and structures, automation, and kinematics. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology. Students can develop skills and understanding of course concepts through activity-, project-, and problem-based (APB) learning. By solving rigorous and relevant design problems using engineering and science concepts within a collaborative learning environment, APB learning challenges students to continually hone their interpersonal skills, creative abilities, and problem-solving skills. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community. It also allows students to develop strategies to enable and direct their own learning.

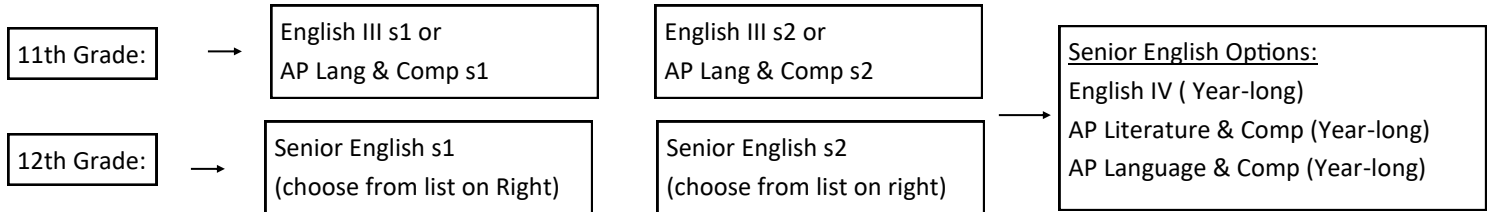
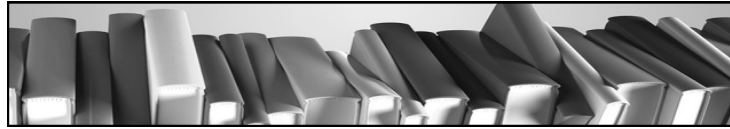
Intro to Wood Construction & Finish Carpentry 2

TEC211,213

*Prerequisite: None**Grades: 10-12**(Year-long course) 1.0 Credit**Credit type: Applied/Fine Arts*

In Intro to Wood Construction, the student will be introduced to woodworking as a career and/or avocation in Woods 1. Through a variety of hands-on, problem solving projects, students will be introduced to the safe use, care and maintenance of various hand tools, power tools, and stationary equipment. Projects will be produced using a variety of processing techniques and technologies used in the woodworking industry. Finish Carpentry 2 will build upon the wood construction skills, knowledge and problem solving abilities acquired in Intro to Wood Construction 1. The course is designed to provide students with an understanding of technology and its impact on the industry. Students will continue to work with the CNC equipment in the production of their projects. Students will have the opportunity to explore the impact of technology on the construction industry. Students will continue to build upon their skills from other academic areas as they interpret technical information from a variety of technical sources, calculate materials needed, materials strength and building design.

English/Language Arts



English I

Grades: 09

(Year-long course) 1.0 Credit

Credit type: English



LA103,104

English I develops basic structures of reading and writing, using a variety of works from diverse authors to increase student interest, awareness, appreciation, and understanding of a variety of genre as well as opportunities to apply the writing process to promote communication through written expression. Students will come to understand that personal expression and the way we express ourselves is influenced by society and culture through literary analysis, reflective writing, persuasive writing, and character analysis.

English III

Grades: 11

(Year-long course) 1.0 Credit

Credit type: English



LA305,306

English III builds on the structures of reading and writing, using a variety of materials representing different literary forms and authors. An emphasis on American literature through a global perspective will support critical analysis of author's style, character motivation, point of view, mood, and tone. Composition will focus on synthesizing new understandings with background knowledge and gain insight into the author's craft while adhering to conventions generally established in conventions, usage, syntax, and style.

English II

Grades: 10

(Year-long course) 1.0 Credit

Credit type: English



LA205,206

English II continues the development of the structures of communication with an emphasis on the language arts of speaking and listening. Through the communication of ideas in both writing and speaking, students will learn to use information responsibly, accurately, and ethically. Students will communicate through a variety of mediums, including technology, to recognize the role evaluation and response have on oral communication.

English IV

Grades: 12

(Year-long course) 1.0 Credit

Credit type: English



LA403,404

World Literature includes a survey of world literature studied in a thematic approach to critically evaluate information based on relevancy, objectivity, and reliability . Students will write several compositions using expository and argumentative techniques, including a research project. This project will include an articulated research question or thesis statement, and incorporate findings while adhering to a consistent format for documentation.

AP Language & Composition

Grades: 11

(Year-long course) 1.0 Credit

Credit type: English

Course has required summer reading assignment



AP Language and Composition enables a student to be an effective writer at the postsecondary level. Students read, analyze, and practice a variety of discursive prose. Through the organized study of language skills and the structures of sentences, paragraphs, and expository patterns, students analyze and implement the resources of the English language. Completion of the AP exam is an expectation for all AP courses.

AP Literature & Composition

Grades: 12

(Year-long course) 1.0 Credit

Credit Type: English

Course has required summer reading assignment



AP English Literature and Composition is designed to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students can deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students should consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. The composition instruction ranges from basic principles to more refined and advanced matters of style, requiring several compositions ranging from the imaginative and personal to the formal and detached. Completion of the AP exam is an expectation for all AP courses.

Journalism

LA213

*Prerequisite: English I**Grades: 10-12**(Semester course) 0.5 Credit**Credit type: Elective*

Journalism allows students to explore the fundamental concepts behind the communications industry, including print, broadcast and advertising and the Internet. Students will study history, writing, editing, law and the packaging process, as well as obtain the understanding of deadlines and interviewing through practical application. This course is the prerequisite for Newspaper and Yearbook.

Newspaper

LA321,322

*Prerequisite: Journalism**Grades: 11-12**(Year-long course) 1.0 Credit**Credit type: Elective*

Newspaper is a hands-on laboratory course that allows students to apply the fundamental theories explored through journalism. Students will write, edit, package, produce and distribute the school's newspaper. Concepts emphasized include leadership, prioritizing, deadline meeting, interviewing, people-skill building, and business skills.

Yearbook

LA323,324

*Prerequisite: Journalism**Grades: 11-12**(Year-long course) 1.0 Credit**Credit type: Elective*

Yearbook is a hands-on course that allows students to apply the fundamental theories explored through journalism in a real-world setting. Students will write, edit, package, produce and distribute the school's yearbook. Concepts emphasized include leadership, prioritizing, deadline meeting, interviewing, editing, teamwork and business skills.

Mathematics

Mathematics Pathway of Study: Need 3.0 Credits for Graduation

CORE CLASSES

Algebra I

Geometry

Algebra II

-or-

Compacted Algebra II & Precalc

ELECTIVE CLASSES

AP Computer Science Principals

AP Statistics

AP Calculus

Pre-Calculus

Intro to Trigonometry (1 sem)

Intro to Statistics (1 sem)

Algebra I

Grades: 9-12

(Year-long course) 1.0 Credit

Credit type: Algebra I s1 & s2



MTH111,112



Algebra is the foundation of higher mathematics. Students will explore functional relationships, use algebraic systems and properties, represent patterns of change, and apply equations and inequalities to solve problems. Special emphasis is placed on application of skills and concepts through problem solving.



Introduction to Trigonometry

MTH413

Prerequisite: Algebra I & Geometry

Grades: 11-12

(Semester course) 0.5 Credit

Credit type: Math

Intro to Trigonometry is a one-semester class. Topics include: right and non/right triangle trigonometry, the unit circle, graphing trigonometric functions, and vectors.

Introduction to Statistics

MTH321

Prerequisite: Algebra I and Geometry

Grades: 11-12

(Semester course) 0.5 Credit

Credit type: Math

Intro to Statistics is a one-semester class. Topics include: Describing distributions of data, normal distribution, describing linear relationships, and chance/probability.

Geometry

Grades: 9-12

(Year-long course) 1.0 Credit

Credit type: Math



MTH211,212

Geometry is the study of shape. Students will develop deductive reasoning skills as they consider properties of and relationships among shapes, location of shapes, transformation of shapes, and special shapes such as circles and triangles. Technology is used to enhance geometric experimentation and situations.

Algebra II

Grades: 9-12

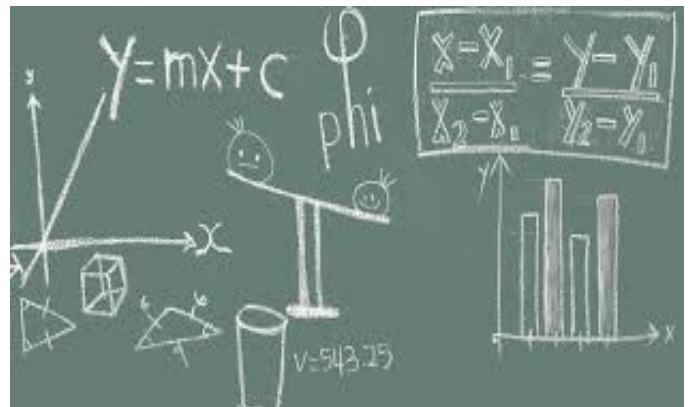
(Year-long course) 1.0 Credit

Credit type: Math



MTH311,312

This course extends basic algebraic skills developed in Algebra 1. Students study patterns in functions and their graphs, polynomials, and complex numbers.



Compacted Algebra 2/Pre-Calculus (**MTH351**

Grade: 10-12

Year Long Course (1.0 credit)

PREREQUISITE: Algebra 1 and Geometry



This class has a strong focus on expanding students' understanding of functions and their graphs, polynomials, rational functions, and complex numbers. This course will cover additional topics beyond Algebra 2 to prepare students for AP Calculus. This class is designed for students interested and motivated to take AP Calculus and will be an intense, fast-paced course.

**Pre-Calculus****MTH401,402***Prerequisite: C or higher in Algebra II**Grades: 9-12**(Year-long course) 1.0 Credit**Credit type: Math*

Pre-Calculus is the post-algebra class to bridge students to Calculus topics. Students explore complex numbers, logarithmic functions, trigonometry, combinatorics, polar coordinates, and beginning calculus concepts.

AP Computer Science Principles TEC551, 552*Grades: 10-12**(Year-long course) 1.0 credit**Prerequisite: Algebra I*

This course introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. The rigorous course promotes deep learning and computational content, develops computational thinking skills, and engages students in the creative aspects of the field.

This course is high school elective credit, but can be math credit if the student has taken Algebra 1, Geometry, and Algebra 2. There is an opportunity to take the Advanced Placement exam in May and earn college credit with a passing score. *No prior knowledge of computer science or coding is necessary*

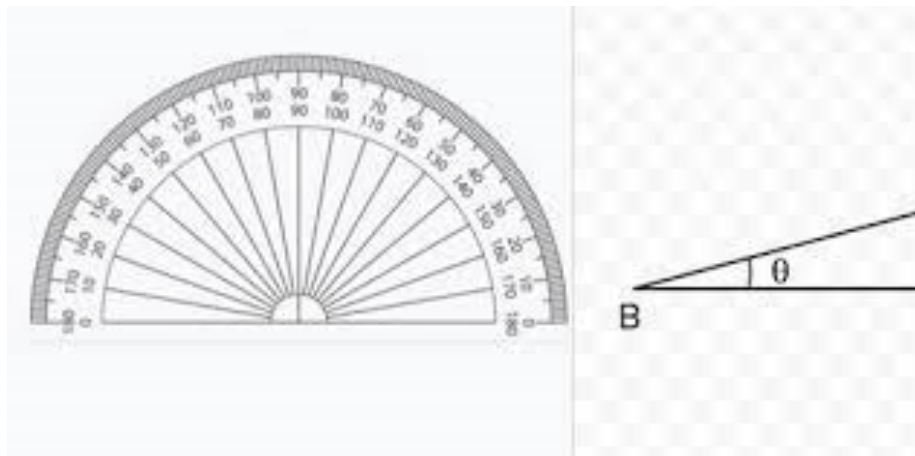
$$x_{1,2} = \frac{-b \pm \sqrt{\Delta}}{2a}$$

AP Calculus AB**MTH501,502***Prerequisite: C or higher in Pre-Calculus**Grades: 10-12**(Year-long course) 1.0 Credit**Credit type: Math*

The AP Calculus course follows the Advanced Placement syllabus and prepares students for the AP test in the spring. Course study includes properties of functions, limits, differential calculus, and integral calculus. Use of the graphing calculator is an integral part of this course and its use is required on the advanced placement test.

AP Statistics**MTH551,552***Prerequisite: C or higher in Algebra II**Grades: 10-12**(Year-long course) 1.0 Credit**Credit type: Math*

The AP statistics course follows the Advanced Placement syllabus and prepares students for the AP test in the spring. Students will plan and conduct a study, explore random phenomena using probability and simulation, estimate population parameters and test hypotheses.





Performing Arts



Instrumental Music & Music Theory

Band

BND101,103

Prerequisite: Middle School Band

Grades: 9-12

(Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

This course includes both Marching and Concert Band. The course begins approximately two weeks prior to the start of school with a required summer marching band camp. Marching band involves performances at all home varsity football games and a variety of other contests or parades each fall. Members in the band will study traditional concert band literature, and perform regularly throughout the winter and spring months. **Students in may audition for Color Guard for the Marching Band Season.**

Jazz Band

BND107, 108

Prerequisite: Audition

Grades: 09-12

(Year-long course) 1.0 Credit Credit type: Applied/Fine Arts

This course is offered to any student who plays a jazz instrument. Through performances, students will develop an understanding of basic jazz styles and improvisation techniques. Students will be placed into groups based on audition results. These groups meets before school after marching band season.

Percussion Ensemble

BND120

Prerequisite: Middle School Band

Grades: 09-12

(Semester course, Spring only) .5 Credit

Credit type: Applied/Fine Arts

This course is for band students who play percussion instruments. Members will study concert literature and perform as a percussion ensemble as well as part of the concert band.

Wind Ensemble

BND118

Prerequisite: Audition only

Grades: 9-12

(Semester long course, Spring only) .5 Credit

Credit type: Applied/Fine Arts

Wind Ensemble is the most advanced wind and percussion ensemble. Wind Ensemble is select group that will study highly advanced concert band music. Students accepted into Wind Ensemble will replace BND103 with this course.



Orchestra

ORC101,102

Prerequisite: Middle School Orchestra

Grades: 09-12

(Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

This course is for all interested string players. Students participate in several concerts per year.

AP Music Theory

MUS501,502

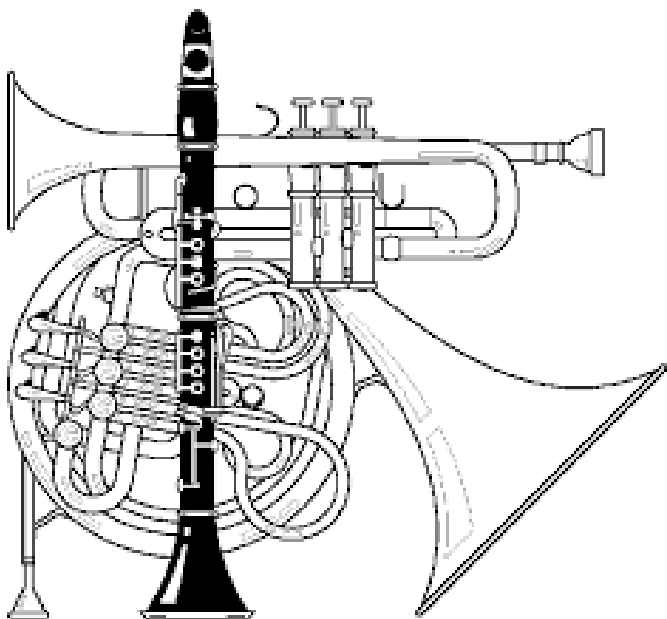
Prerequisite: None

Grades: 11-12

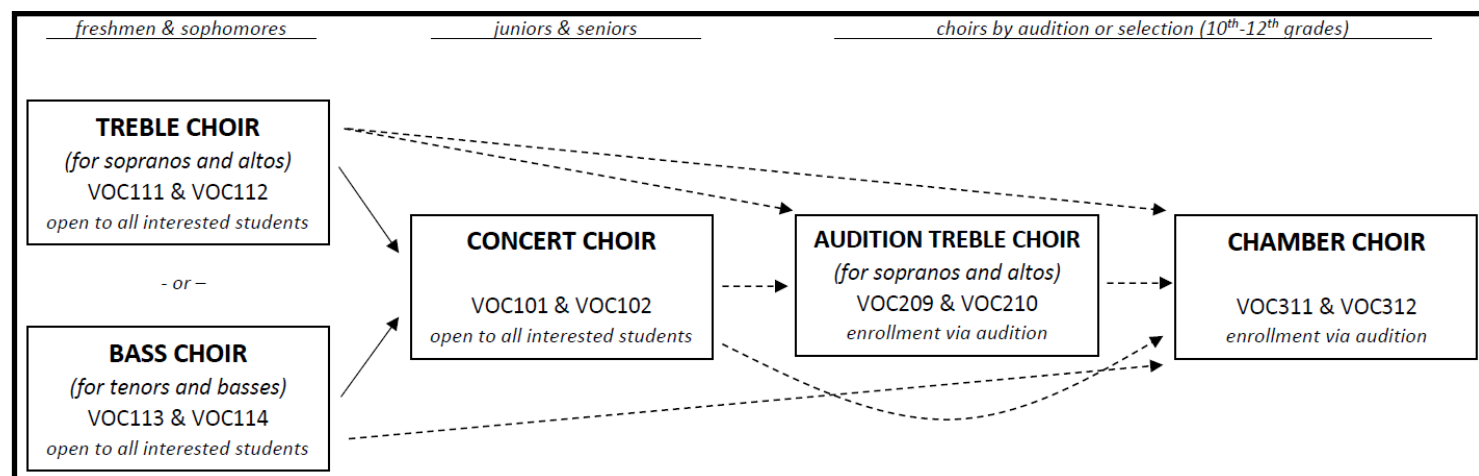
(Year-long course) 1.0 Credits

Credit type: Applied/Fine Arts

Advanced Placement Music Theory is a college-level study of the theory and ear training of music. It is geared toward the Advanced Placement Music Theory tests, which is strong on aural (listening) skills as well as written skills. Students will learn to identify scales, intervals, chord progressions and modulations by sound and sight. Students will sing melodies on sight and improve students' rhythm reading. Students will learn how to write music from various forms of shorthand and analyze music. Students will learn chords, cadences and forms. Students will decode music and decode how and why music is written the way it is.



Vocal Music



*A solid-lined arrow indicates automatic advancement through the course pathway; a dotted-lined arrow indicates advancement through course pathway based upon an audition/teacher selection.

*All VOC courses can be repeated (taken more than once throughout a students' high school career for credit).

*Students enrolled in Jazz Choir must be simultaneously enrolled in a core choir (all of which are listed in the above graphic) based on IHSMA guidance.

*Students enrolled in Show Choir should be simultaneously enrolled in a core choir (all of which are listed in the above graphic) based on IHSMA guidance, though exceptions may occur in consultation with a vocal music teacher.

Treble Choir VOC111, 112

Prerequisite: None

Grades: 9-10

(Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

This is a beginning choir of treble voices. Vocal technique and intonation, rehearsal skills, presentation, solfege, and rhythm skills will be developed through the rehearsal of choral repertoire. As a performance class, choral literature will be rehearsed and performed at required concerts each semester.

Bass Choir VOC113, 114

Prerequisite: None

Grades: 09-10

(Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

This is a beginning choir of tenor and bass voices. Vocal technique and intonation, rehearsal skills, presentation, solfege, and rhythm skills will be developed through the rehearsal of choral repertoire. As a performance class, choral literature will be rehearsed and performed at required concerts each semester.

Concert Choir VOC101, 102

Prerequisite: None

Grades: 11-12

(Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

This is an intermediate choir of mixed voices. Vocal technique and intonation, rehearsal skills, presentation, solfege, and rhythm skills will be developed through the rehearsal of choral repertoire. As a performance class, choral literature will be rehearsed and performed at required concerts each semester.

Auditioned Treble Choir (Concert Choir Audition) VOC209, 210

Prerequisite: Audition

Grades: 10-12

(Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

This is an advanced and select choir of treble voices. Vocal technique and intonation, rehearsal skills, presentation, solfege, and rhythm skills will be developed through the rehearsal of challenging choral repertoire. As a performance class, choral literature will be rehearsed and performed at required concerts each semester.

Chamber Choir VOC311, 312

Prerequisite: Audition

Grades: 10-12

(Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

This is an advanced and select choir of mixed voices. Vocal technique and intonation, rehearsal skills, presentation, solfege, and rhythm skills will be developed through the rehearsal of challenging choral repertoire. As a performance class, choral literature will be rehearsed and performed at required concerts each semester.

Show Choir VOC403, 404

Prerequisite: Audition

Grades: 9-12

(Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

This is a highly competitive group that incorporates dancing and singing a variety of choral arrangements, including popular, jazz, and musical theater literature. Emphasis will be placed on vocal technique, style, and choreography appropriate to this repertoire. Both show choirs have numerous practices, performances, and competitions outside of school time.

Jazz Choir VOC221,222

Prerequisite: Audition

Grades: 10-12

(Year-long course) 1.0 Credits

Credit type: Applied/Fine Arts

Jazz Choir is an auditioned vocal jazz ensemble designed to challenge the student through instruction of vocal techniques and competitions, including various community performances. This course will include, but not be limited to: improvisational development, theory, special projects, history and literature, ear and key skills, basic keyboard tool development and performances of various styles of jazz.

Theater

Play Production I

DRM131, 132

Prerequisite: None

Grades: 10-12

(Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

Play Production I is a survey course of technical theatre covering set construction/safety, costumes, make-up, publicity/programs, lights/sound, props, house management, and play reading and analysis.

Theater Arts I

DRM129, 130

Prerequisite: None

Grades: 09-12

(Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

Theatre Arts I is an introductory course that will teach students to utilize and develop self-confidence, poise, basic theatre terminology, appreciation of various dramatic forms, appropriate response, awareness of theatre production processes, understanding of literature, knowledge of theatre history, and beginning performance skills.

Theater Arts II

DRM229, 230

Prerequisite: Theater Arts I

Grades: 10-12

(Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

The course provides the opportunity for students to thoroughly investigate the subjects taught in Theatre Arts I. Areas of concentration will be theatre history, literature, acting and play production. Performance will be a major component of this course.

Theater Arts III

DRM329, 330

Prerequisite: Theater Arts II

Grades: 11-12

(Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

This course will begin to prepare the more serious theatre student with advanced concepts in performance and production. Also included will be an intro to play-writing, criticism, and auditioning. Students will explore forms of creative expression, performance styles, methods of acting, and artistic styles.

Theater Arts IV: Direct/Mgmt.

DRM429, 430

Prerequisite: Theater Arts III

Grades: 12

(Year-long course) 1.0 Credit

Credit type: Applied/Fine Arts

In addition to intensive work in directing, design, and criticism, students in this course will be expected to make a significant contribution to the leadership of the Drama Department and will apply advanced theory to performance or technical work.



PHYSICAL EDUCATION

Team Games/Act & Sports

PHY105

Prerequisite: None

Grades: 9-12

(Semester course) 0.5 Credit

Credit type: Physical Education

Students will learn a variety of rules, skills, fundamentals and strategies in multiple team activities. Safety and sportsmanship will be emphasized. Activities will include by not limited to: Basketball, Soccer, Volleyball, Floor Hockey, Lacrosse, Ultimate Games, Non-traditional Games, Flag Football, Diamond Sports. District mandated fitness assessments will be administered in pre and post test form.

Fitness Walking

PHY115

Prerequisite: None

Grades: 10-12

(Semester course) 0.5 Credit

Credit type: Physical Education

This course is designed for students to improve cardiovascular fitness by walking. This course is completely activity based and suggested for those who are self-motivated. Various walking activities and assessments will be used throughout the class. Students will be expected to walk 2-3 miles per class period. This will allow students' the opportunity to participate in individual fitness activities that can be continued throughout one's lifetime. Activities include by not limited to: walking, heart rate monitoring, circuit training, treadmills, time laps/stairs, time mile, pedometers/activity monitors, walking bands. District mandated fitness assessments will be administered in pre and post test form.

Total Body Fitness & Conditioning

PHY109

Prerequisite: None (NOTE: Designed for student athletes)

Grades: 10-12

(Semester course) 0.5 Credit

Credit type: Physical Education

This advanced course is designed to build upon proper lifting techniques, spotting methods, weight room safety, and work out routines. Activities will include but not limited to: Fitness Plan, Advanced strength exercises, SMART goals, student logs, basic nutrition, hydration, adjustment of pace, power building, Olympic lifts, fitness portfolio, analyzes the components skill-related fitness in reaction to life and career goals, and designs an appropriate fitness program to meet their goals. District mandated fitness assessments will be administered in pre and post-test form.

Aquatics

PHY241

Prerequisite: None

Grades: 10-12

(Semester course) 0.5 Credit

Credit type: Physical Education

Students will gain an awareness of the importance of water safety training and to provide general information on being safe in, on, and around water. Students will work on their coordination and refinement of strokes. Students will participate, assess, and improve levels of flexibility, cardiovascular fitness, muscular strength, endurance, and body composition. CPR has been mandated by the state and may be included in the curriculum. Activities can include but not limited to: pool rules, safety/expectations, water injuries, deck rescues/in water rescues, introduction to water skills, fundamental aquatic skills and stroke techniques.

Innovative Fitness

PHY131

Prerequisite: None

Grades: 10-12

(Semester course) 0.5 Credit

Credit type: Physical Education

Whether you are looking to improve your overall physique, gain strength, and flexibility, or live a healthier lifestyle, Innovative Fitness Class will aid you in your goals and expectations. This program provides opportunities for introductions to fitness skills and knowledge to help develop personal workout plans. Students must be willing to workout at an intense cardio level, break a sweat, and expect a body transformation. Activities include but are not limited to: Yoga, fitness technology, aerobics, bosu-trainers, CrossFit, creative dance, fitness assessment, jump roping, kick boxing, medicine balls, and weight resistance.



Unified PE

PHY117

Prerequisite: Instructor Approval

Grades: 9-12

(Semester course) 0.5 Credit

Credit type: Physical Education

This course combines students of all abilities to participate in developmentally appropriate activities including lifetime activities, physical fitness, and sport. Students will work together to increase competence and confidence in a variety of physical activities. Unified Peer PE is planned and implemented to provide each student access to physical education grade-level outcomes and standards while making necessary accommodations. Through ongoing leadership opportunities, members of this course will be empowered to help create a more inclusive and accepting school environment for all students.

Contract PE

PHY901

Prerequisite: counselor/administrator approval based on district criteria

Grades: 9-12

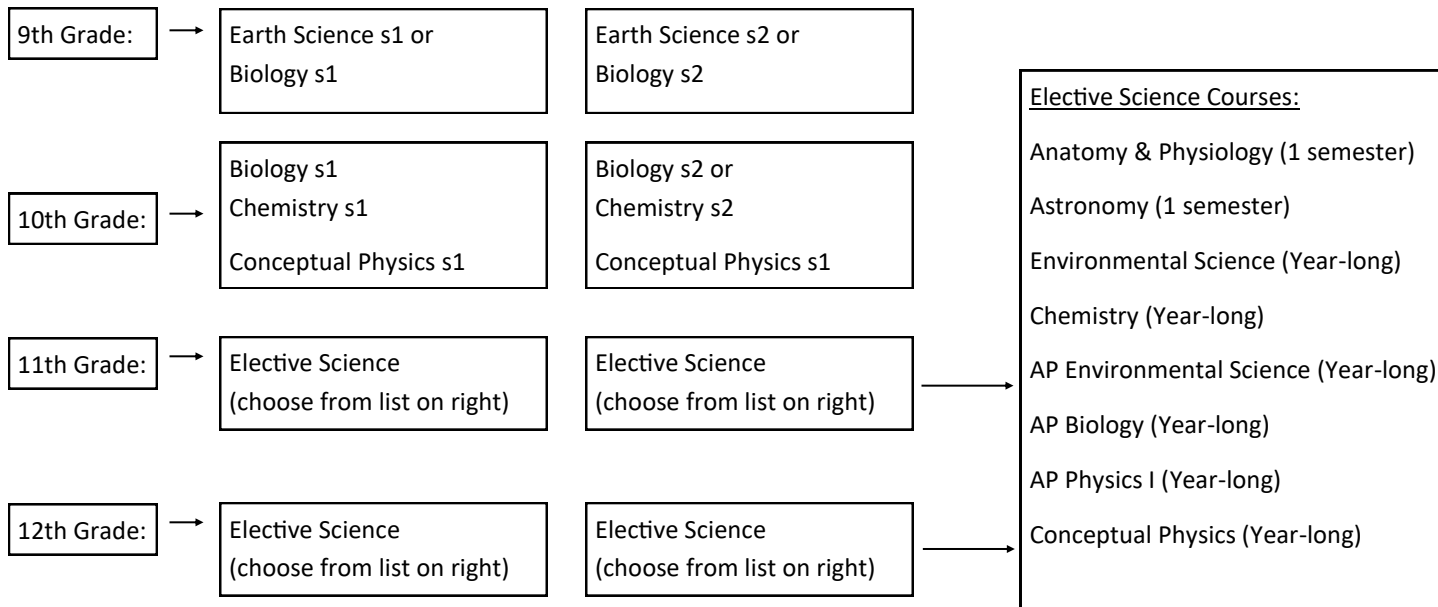
(Semester course) 0.5 Credit

Credit type: Physical Education

Contract PE is only for those students who are carrying a full schedule of required academic classes in order to meet minimum graduation requirements. Please see school counselor and PE department chair for further details, qualifications, and acceptable athletic programs in which the student may participate. Students will log physical activity and utilize the goal setting feature through the online database daily fit log, to motivate and set challenging and realistic goals. If approved for Contract PE, the student must make contact with the course instructor within the first week of the semester, either before or after school, to receive necessary course information.

Science

Science Pathway of Study: Need 3.0 Credits for Graduation



Conceptual Physics

NCAA SCI205,206

Prerequisite: None

Grades: 10-12

(Year-long course) 1.0 Credit

Credit type: Science

This course examines physics concepts without emphasizing high level mathematics. Basic Algebra skills are used to increase students' understanding of these concepts. Designed to make physics available to a wider audience, this course will provide students with an intellectual foundation for the study of biology and chemistry later in their high school education. Concepts such as straight-line motion, forces, energy and mechanical waves will be studied. This course will help to prepare a student to take Physics during his/her senior year, and should not be viewed as a substitute for Physics.

Earth Science

NCAA SCI207,208

Prerequisite: None

Grades: 09

(Year-long course) 1.0 Credit

Credit type: Science

This interdisciplinary course, consisting of a study of the earth and space, is an integral part of the science sequence. Topics of study include geology, space and astronomy, meteorology and oceanography. Laboratory investigations, which involve students in the inquiry processes of science, are incorporated into the course.

Biology

NCAA SCI203,204

Prerequisite: None

Grades: 9-12

(Year-long course) 1.0 Credit

Credit type: Science

Biology is the study of life. This lab-based course provides a survey of life science topics with a special focus on science processes and inquiry, the cell, the molecular basis of heredity, evolution, interdependence of organisms, living systems, human body, and behavior of organisms. Integration of these topics allows students to practice scientific thinking skills and apply them to in-class investigations.

Environmental Science

NCAA SCI201,202

Prerequisite: Biology

Grades: 10-12

(Year-long course) 1.0 Credit

Credit type: Science

Environmental Science is a course designed to explore underlying causes and effects of earth's natural and man-made environmental problems. The interrelationships between all living things and the interactions between living things and their non-living environment will be the framework for this study of the earth and its environment. This course combines principles of biology and earth science, and would be appealing to students interested in either of these disciplines. There are many different opinions regarding the causes and effects of environmental problems. Therefore, students will be expected to practice and display a range of problem solving and critical thinking skills to examine scientific evidence and propose and conduct investigations.

Chemistry

NCAA SCI301,302

Prerequisite: Algebra I

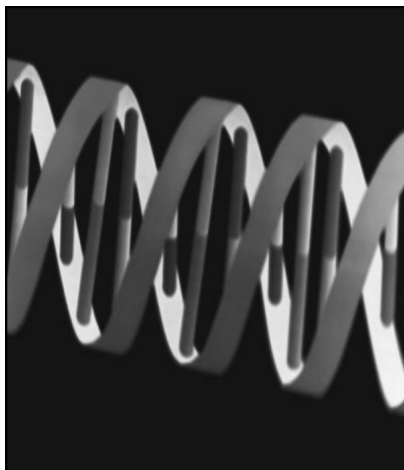
Grades: 10-12

(Year-long course) 1.0 Credit

Credit type: Science

The nature of matter and its relationship to chemical changes is emphasized in this course. Matter is examined through a study of elements, atoms and molecules, the periodic table, chemical behavior, and energy changes. Laboratory investigations are used extensively to enable students to discover and reinforce these concepts while challenging students to use good scientific thinking and reasoning skills.





Anatomy & Physiology

SCI309

Prerequisite: Biology

Grades: 11-12

(Semester course) 0.5 Credit

Credit type: Science



Anatomy & Physiology is a one semester survey course that covers the structure and function of the human body from the cellular level to organ systems. The organ systems studied are the skin and integumentary system, the skeletal and muscular systems, the nervous system, and the senses, the endocrine system, blood and the cardiovascular system, the lymphatic system and immunity, the respiratory system, the urinary system, the digestive system including nutrition, and the reproductive system. Other topics included in the course are: the body's balance of water; electrolytes, acids, and bases; and an introduction to human growth and development.

Astronomy

SCI311

Prerequisite: None

Grades: 10-12

(Semester course) 0.5 Credit

Credit type: Science

A one-semester course devoted to the study of astronomy. Units of study will include: objects that can be observed in the sky with the unaided eye such as the sun, planets, and stars; equipment that is used to further our knowledge of the universe; the relation between the earth and the other objects in the sky; the properties and lives of stars; the origins of our universe and solar system.

AP Biology

NCAA SCI507,508

Prerequisite: Biology

Co-requisite: Chemistry

Grades: 11-12

(Year-long course) 1.0 Credit

Credit type: Science

This course is the equivalent of an introductory college biology course. It is an intensive study emphasizing the molecular biology of the cell, genetics and evolution, organisms and populations. Laboratory activities challenge students' abilities to understand problems, develop and implement experimental designs, manipulate data, and think analytically. Laboratory work is extensive. Completion of the AP exam is an expectation for all AP courses.

AP Environmental Science

NCAA SCI501,502

Prerequisite: Biology

Grades: 10-12

(Year-long course) 1.0 Credit

Credit type: Science

AP Environmental Science is a one-year high school course, equivalent to a one-semester college course stressing scientific principles and analysis. The goal of the course is to provide students with scientific principles, concepts and methodologies to understand the interrelationship of the natural world; to identify and analyze natural and man-made environmental problems; to evaluate the relative risk associated with these problems; and to examine alternative solutions for resolving and preventing them. There are strong lab and field investigations, allowing students to learn about the environment through firsthand observation. Field experiences may be arranged outside of school hours. Completion of the AP exam is an expectation for all AP courses.

AP Physics I

NCAA SCI525,526

Prerequisite: Algebra II

Grades: 11-12

(Year-long course) 1.0 Credit

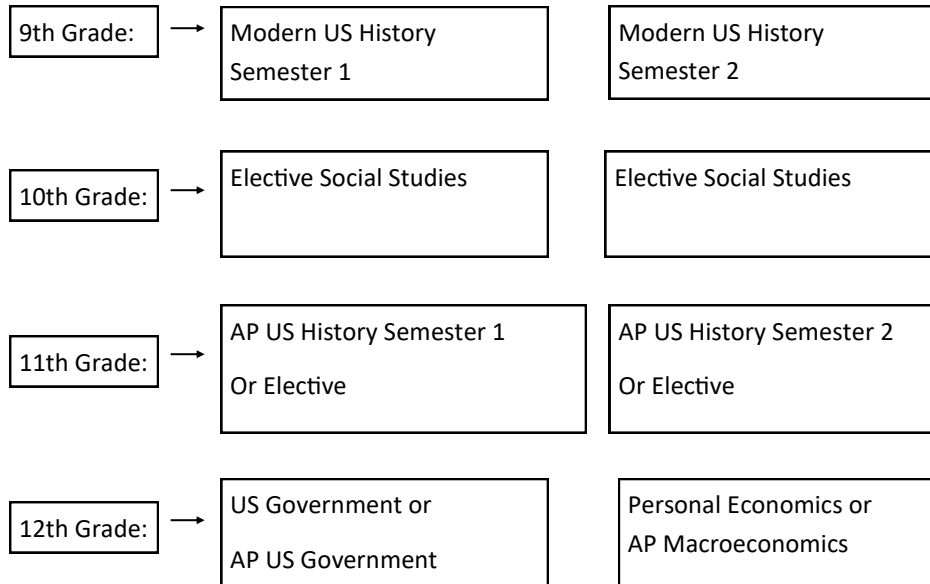
Credit type: Science

This course is the equivalent of an introductory college physics course and includes topics in both classical and modern physics, emphasizing the mathematical treatment of physical events. The course covers topics such as kinematics, thermodynamics, wave motion, magnetism, electricity, optics, and modern physics. Lab experience is extensive. Students interested in pursuing a major in science or engineering in college should take this course in order to be fully prepared for college physics. Lab experience is extensive. Concurrent enrollment in Pre-Calculus is recommended, but not REQUIRED. Completion of the AP exam is an expectation for all AP courses.

Social Science

Social Science Pathway of Study: Need 3.0 Credits for Graduation

(1.0 History, 0.5 Government, 0.5 Economics, 1 .0 Social Studies)



Elective Course Options:

- * Sociology (1 Semester)
- * Psychology (1 Semester)
- * AP Psychology (Year-long)
- * AP Human Geography (Year-long)
- * Global Black History (1 semester)
- * Indigenous Peoples' History of the US (1 semester)
- * AAPI (Asian American & Pacific Islander) History (1 semester)
- * African American Studies (1 semester)
- * Chicano/a Studies (1 semester)
- * Youth Voices for Equity (Year-long)
- * LatinX History (1 semester)
- * LGBTQ+ History (1 semester)
- * Intersectional Feminism (1 semester)

AP Macroeconomics

SOC511

Prerequisite: 2.0 Credits of history

Grades: 12

(Semester course) 0.5 Credit

Credit type: Economics



The study of economics is a study of choices, a matter of decision-making. This course provides students with an opportunity to examine how government makes economic decisions and to evaluate solutions to economic problems. AP Macroeconomics will help students understand how our economy works and how economic incentives influence individuals, businesses, and government. Many of the important issues of our country and the world – recession, inflation, urban and ecological decline and decay, racial discrimination and poverty – have economic roots. Completion of the AP exam is an expectation for all AP courses

AP United States History

SOC501,502

Prerequisite: None

Grades: 11-12

(Year-long course) 1.0 Credit

Credit type: US History s1 & s2



The AP U.S. History course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. The following themes are covered in United States History: American Diversity and Identity, Culture, Demographic Changes, Economic Transformations, Environment, Globalization, Politics & Citizenship, Reform, Religion, Slavery & its Legacies, and War & Diplomacy. Completion of the AP exam is an expectation for all AP courses

Youth Voices for Equity

TAC207, 208

Prerequisite: None

Grades: 10-12

(Year-long course) 1 credit

Credit type: Elective

Repeatable. Students learn (and unlearn) ideas for examining the social world including theories about oppressions, justice, and equity. They engage critical perspectives to analyze their individual and collective educational experiences. The learning in the course is grounded in culturally relevant pedagogy that supports students in academic achievement through centering their social identities and experiences.

Youth participatory action research (YPAR) involves students conducting research on the inequities that they experience within their schools. The students learn a variety of research methods, including participant observation, survey sampling, interview techniques, photo documentation, and videography. The YPAR goal is for the students to use their research results as a vehicle for action. Students will use the knowledge they gained to guide leadership in promoting equitable school and district improvement through presentations and research products such as reports, videos, and creative expressions.

Modern United States History

SOC103,104

*Prerequisite: None**Grades: 9th & 11th Only**(Year-long course) 1.0 Credit**Credit type: US History s1 & s2***NCAA**

The Modern United States History course provides students with the analytical skills and factual knowledge to deal critically with the events in our nation's history. Instructional units invite students to travel thematically through US History since the Civil War. These units include the study of Domestic Reform, Immigration and Migration, Economics, and Conflict. Students will then examine how the history of each theme impacts our country today. Students also learn to assess historical materials, determine their relevance to a given problem, assess the reliability of sources, and present reasoning and evidence clearly and persuasively in writing.

Global Black History

SOC261

*Prerequisite: SOC 103, 104**Grades: 10-12**(Semester course) .5 Credit***NCAA**

Students are exposed to raw and truthful history about Black people starting before the slave trade. The course focuses on celebrating the history of Black people both in Africa and during and after the diaspora. We will discuss how African and African American histories are intertwined. Students will leave the course with a more in-depth description of global Black experiences. A central goal of this course is to leave students feeling empowered and recognized throughout history. That previously marginalized groups are centered and celebrated.

Indigenous Peoples' History of the US

SOC265

*Prerequisite: SOC 103, 104**Grades: 10-12**(Semester course) .5 Credit***NCAA**

This class will provide a real and raw depiction of the history of native and indigenous people. Students will learn about the many indigenous nations within the geographic areas now known as the United States. We will celebrate the diverse histories and cultures of these people as well as investigate the oppression of indigenous people. It's important to analyze the injustice and oppression but also celebrate their joy. Indigenous people thrived pre-European contact and continue to live in resistance. A central goal of this course is to leave students feeling empowered and recognized throughout history. That previously marginalized groups are centered and celebrated.

AAPI (Asian American & Pacific Islander) History

SOC268

*Prerequisite: SOC 103, 104**Grades: 10-12**(Semester course) .5 Credit***NCAA**

This course introduces students to the history of people of Asian and Pacific Islanders ancestry in the United States. Students will investigate several timely issues facing the Asian American community today. Asian American History will explore law, politics, and social interactions. The course will focus on the similarities and differences between many Asian ethnicities exploring culture and values with the hope of understanding why the Asian American identity is unique in comparison to other races in the U.S. Students will investigate the Model Minority Myth, Generation-Gap, Civic Interactions, etc. A central goal of this course is to leave students feeling empowered and recognized throughout history. That previously marginalized groups are centered and celebrated.

Personal Economics

SOC403

*Prerequisite: None**Grades: 12**(Semester course) 0.5 Credit**Credit type: Economics***NCAA**

The study of personal economics is a study of choices and decision-making. This course provides students with an opportunity to develop sound decision-making procedures, based on his/her values, and to evaluate alternative solutions to economic problems. Economics will help students understand how our economy works and how economic incentives influence consumers, business owners, and investors. Students will focus on setting goals, saving and spending, credit, investing, and measuring financial risk. By developing an awareness and perception of economics as it is interwoven in other areas of existence, students gain insight and understanding of business, government and themselves. This course introduces high school students to economics concepts through a combination of practical problems, analysis, and economic philosophy

African American Studies

SOC263

*Prerequisite: SOC 103, 104**Grades: 10-12**(Semester course) .5 Credit***NCAA**

The goal of this course will be gaining a better understanding about the experiences and history of Black people in the United States. Primarily through the study of cultural influence, political impact, and historical context. Students will gain more knowledge about African Americans and their impacts on the United States. The historical aspects of the course will be connected to contemporary and current issues to build deeper understanding of the integral part Black Americans have played in the development of the United States. A central goal of this course is to leave students feeling empowered and recognized throughout history. That previously marginalized groups are centered and celebrated.

Chicano/a Studies

SOC267

*Prerequisite: SOC 103, 104**Grades: 10-12**(Semester course) .5 Credit***NCAA**

This course will provide students an intersectional lens to analyze the Chicano/a identity, movement and experience in the U.S. and their strong ties with Mexico and Indigenous peoples. A central goal of this course is to leave students feeling empowered and recognized throughout history. That previously marginalized groups are centered and celebrated.

LatinX History

SOC269

*Prerequisite: SOC 103, 104**Grades: 10-12**(Semester course) .5 Credit***NCAA**

This course will explore the complexity of Latin American history (Mexico, Central America, South America and the Caribbean). Students will analyze colonization through an intersectional lens and its direct effects on social injustice in Latin America. Students will be provided with tools to reflect on intersectional identity and differentiate racial and ethnic identities. A central goal of this course is to leave students feeling empowered and recognized throughout history. That previously marginalized groups are centered and celebrated

LGBTQ+ History

SOC361

*Prerequisite: SOC 103, 104**Grades: 10-12**(Semester course) .5 Credit***NCAA**

This is a course to provide students with the tools to do identity work, assess history with an intersectional lens and provide the much-needed history of the LGBTQ+ community. At the end of the course students should leave with the understanding the rich history of the community, the importance of advocacy and allyship/being an accomplice, and feeling empowered and recognized across space and time, and within academia.

United States Government

SOC405

Prerequisite: None

Grades: 12

(Semester course) 0.5 Credit

Credit type: Government



NCAA

The ultimate goal of this one semester course is active, responsible citizenship. The course provides students with multiple opportunities to develop an analytical perspective on government and politics in the United States, to develop civic commitment and capacity, and to build a well-informed, thoughtful response to the course driving question: What is the proper role of government in a democratic society? This question will be used throughout the course. Students return to it frequently, revising and deepening their understanding and responses in light of the concepts they are learning such as the foundation of U.S. government, political beliefs/ behaviors, elections and voting, and policy making institutions. This course includes both the study of general concepts used to interpret U.S. politics and the analysis of specific examples .

Sociology

NCAA SOC209

Prerequisite: SOC 103, 104

Grades: 10-12

(Semester course) 0.5 Credit

Credit type: Elective

This course is designed to provide students with a basic understanding of the society in which they live by analyzing and evaluating the function of major social institutions, the effects of social change, and the origin and impact of prejudice, discrimination, stereotyping, and social stratification. This course will help students develop a broad understanding of culture and the ability to think objectively as they seek solutions to current social problems.

AP United States Government

SOC507,508

Prerequisite: 2.0 Credits of History

Grades: 12

(Year-long course) 1.0 Credit

Credit type: Elective (1st semester) and Government (2nd semester)

In the Year-long AP U.S. Government and Politics course, students move together through five project cycles that address the six AP topics specified by the College Board for success on the Advanced Placement exam. The course is designed using the problem-based learning approach and developed with the support of the George Lucas Educational Foundation and the University of Washington, Seattle. Student-centered learning is at the heart of this course that has students participating in five project cycles: Founders' Intent, Election 2016, Government in Action, 115th Congress, and Supreme Court of the United States. Students in AP US Government and Politics will know important facts, concepts, and theories pertaining to U.S. government and politics. Completion of the AP exam is an expectation for all AP courses

NCAA



Psychology

SOC205

Prerequisite: Prerequisite: SOC 103, 104

Grades: 10-12

(Semester course) 0.5 Credit

Credit type: Elective

This course is designed to provide students with a basic understanding of human behavior and social relationships. The purpose is to create an awareness of the uniqueness of the individual and help students apply psychological principles to the solution of personal problems. Psychology will help students identify personal needs, values, and goals to assist them as they make career choices and family decisions. This course will also provide students with an understanding of the learning process and an appreciation of psychology as a field of knowledge based on scientific methods of research.

NCAA

AP Human Geography

SOC519,520

Prerequisite: SOC 103, 104

Grades: 10-12

(Year-long course) 1.0 Credit

Credit type: Elective

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of 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. Completion of the AP exam is an expectation for all AP courses

NCAA

Intersectional Feminism

SOC363

Prerequisite: SOC 103, 104

Grades: 10-12

(Semester course) .5 Credit

This course will evaluate the history of feminist resistance from the 18th century to modern era. Through an examination of the role gender and gender identity have played in the cultural/social, political, and economic spheres throughout U.S. history. Emphasis is placed on exploring the impact of intersectionality and activism in these histories.

NCAA

AP Psychology

SOC513,514

Prerequisite: SOC 103, 104

Grades: 10-12

(Year-long course) 1.0 Credit

Credit type: Elective

This year-long college-level course covers in depth all topics in introductory psychology. The course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the facts, principles, and phenomena associated with each of the major subfields within psychology.

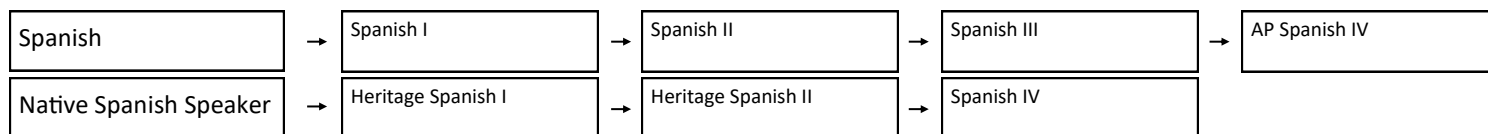
NCAA



World Language



Pathways of Study:



Spanish I

WL111,112

Prerequisite: None

Grades: 09-12

(Year-long course) 1.0 Credit

Credit type: Elective



Spanish 1 is for learners in high school who are new to Spanish language study. First year students engage daily with written and spoken Spanish language to build communicative capacity. Students experience the language to learn about worldwide Spanish culture, current events, and build their productive capacity. Year one students start in the Novice range and focus on being able to express themselves on very familiar topics using a variety of words, phrases, simple sentences, and practiced and memorized questions. At the end of semester 1, students will likely enter the Novice Low range and be able to answer in words and short phrases on practiced and familiar topics. It is common that students understand more than they can produce.

Heritage Spanish Foundations

WL213,214

Prerequisite: None

Grades: 9-12

(Year-long course) 1.0 Credit

Credit type: Elective



Heritage Spanish Foundations is a Spanish language course for bilingual (Spanish/English), Hispanic students. Here students develop their full linguistic abilities as a bilingual and bicultural person. Hispanic students who are receptive to native speakers of Spanish but may not be able to produce are encouraged to take this course. Students will listen, read, speak and write in Spanish daily. Content follows research-supported curriculum specifically for Latinx youth and focuses on self-identity and cultural awareness. This course is repeatable with approval from the teacher and curriculum coordinator.

Spanish II

WL211,212

Prerequisite: Spanish I or teacher placement

Grades: 09-12

(Year-long course) 1.0 Credit

Credit type: Elective



Spanish 2 is for continuing beginning learners in high school wanting to increase their Spanish communicative proficiency and have solid foundational skills. Second year students continue engage daily with written and spoken Spanish language to expand their communicative capacities. Students learn about worldwide Spanish culture, historical events, and current events in the target language. Year two students continue in the Novice range and focus on being able to express themselves on very familiar topics using a variety of words, phrases, simple sentences, and practiced questions. At the end of semester 1, students develop within the Novice Mid range and able to communicate confidently in short phrases on practiced and familiar topics. They will also be able to present short bits of information to an authentic audience. It is common that students understand more than they can produce.

Heritage Spanish II

WL317,318

Prerequisite: Heritage Spanish I or teacher placement

Grades: 10-12

(Year-long course) 1.0 Credit

Credit type: Elective



Heritage Spanish Language Arts is a Spanish language course to serve Hispanic students with Spanish as a dominate language or schooling in Spanish. Students are likely at an Intermediate High+ level of Spanish. Students will listen, read, speak and write in Spanish daily. Content follows the structure of a high school English Language Arts course but focuses on the voices of Hispanic authors, perspectives, and stories. Students are encouraged to take AP Spanish at completion of Heritage Spanish Language Arts. Students may also choose a 300 level Spanish elective. This course is repeatable with teacher and coordinator approval.

Spanish III

WL311,312

Prerequisite: Spanish II or teacher placement

Grades: 10-12

(Year-long course) 1.0 Credit

Credit type: Elective



Third year Spanish students continue to improve their Spanish language skills in reading, writing, listening and speaking. Students will help direct the course of study. Topics are not limited to: current world events, Afrolatino history, and themes of justice. Students will use authentic texts, materials written for language learners, and be expected to use as much Spanish in class as possible. This semester leans heavily on reading, listening, and writing in Spanish. Students will work to move their language proficiency from Novice High to Intermediate Low. Students successfully completing this course are encouraged to apply for the Seal of Biliteracy and take a proficiency exam.

AP Spanish IV

WL515,516

Prerequisite: Spanish III or Heritage Spanish II

Grades: 11-12

(Year-long course) 1.0 Credit

Credit type: Elective



The AP Spanish IV is the Language and Culture course aligned with the College Board AP exam. It focuses on academic language skills and presents an in-depth review of grammatical structures. Communicative skills are expanded to include analysis, synthesis, and elaborated opinions. Appreciation of, awareness of, and respect for Hispanic cultures are expanded through multiple genres. This course provides dual credit for DMACC's FLS242. Completion of the AP exam is an expectation for all AP courses. An English proficient student who earns a score of 3 or higher on the AP Spanish Language and Culture exam qualifies for the Seal of Biliteracy.

Miscellaneous

Leadership

MIS315,316

Prerequisite: Election to Student Council or Senior Board

Grades: 09-12

(Year-long course) 1.0 Credit

Credit type: Elective

Leadership is a hands on course that provides students experience in leadership in a variety of settings. The course will consist of two groups: student council and the senior board. The student council will be made up of students who are elected in the spring for the upcoming school year. Four officers from each class will make up the 16 member student council group. The senior board will consist of 6 members (President, VP Prom, VP Banquet, Prom Rep, Banquet Rep, and Secretary). These students will be elected in the spring for the upcoming school year. In addition to the planning and organization of school activities, topics in the class include how to cope with differences in communication styles and strategies for improving our school. Traditional academic lessons are typically held at the beginning of every other class. All classes start with a review of past agenda and the day's agenda with an explanation of assignments. At the end of the course, students put together a portfolio of their work which includes artifacts and detailed explanations.

iJAG I, II and III, IV

MIS195,196 (I), MIS295,296 (II)

Prerequisite: None

MIS295, 396 (III), MIS495,496 (IV)

Grades: 09-10

(Year-long course) 1.0 Credit

Credit type: Elective



iJAG is Iowa's premiere graduation success program. iJAG teaches 88 core competencies that will help students explore career opportunities, and succeed in the workplace. Topics of study include: goal setting, resumes, cover letter, career exploration, college selection, time management, personal finance, job applications, job interview skills and teambuilding activities. iJAG also has a student club called the iJAG Career Association which participates in service learning activities and state conferences in the spring and fall.

Extended Learning for Gifted and Talented

MIS321

Prerequisites: Identified Gifted & Talented in DMPS,

Good standing with a C average or higher in the core curricular areas and on track for graduation,

Consideration for admission to the course is by application to the building G/T consultant.

Grades: 10-12, .5 Credit

Credit type: Elective

This course offers a unique opportunity for gifted and talented students to develop their individual aptitudes, talents, and passions in a supportive environment. The course is a self-directed learning experience. The student is given the opportunity to develop real world skills such as time-management, planning, and self-discipline, while investigating areas of interest in an in-depth, individualized way. Course options may include an independent study, an internship, a mentorship, or a service learning project dependent on student interest. All participating students are required to follow an approved learning contract and log time on task. All participating students are required to present a final product to an authentic audience.

*The extended learning course size is subject to the availability of a supervising teacher or an internship/mentorship in the area of interest. The application and interview need to show a project that has enough content to be evaluated using the Iowa Core standards listed for the course.

College & Career Readiness (CCR) 9

MIS161,162

Prerequisite: application/program acceptance

Grades: 09

(Year-long course) 1.0 Credit

Credit type: Elective

CCR is a program that helps students prepare for college through a set of skill-building strategies which enhance a student's learning experience. Students must be self-motivated and have the expectation that postsecondary learning is in their future. This level provides the foundation of the CCR program through: binder and time organization techniques, tutorials, the Cornell way of taking notes, beginning college and career exploration, and on-site college visits.

College & Career Readiness (CCR) 10

MIS261,262

Prerequisite: CCR 9 or application/program acceptance

Grades: 10

(Year-long course) 1.0 Credit

Credit type: Elective

CCR is a program that helps students prepare for college through a set of skill-building strategies which enhance a student's learning experience. Students must be self-motivated and have the expectation that postsecondary learning is in their future. This level continues to expand the foundational CCR strategies through: binder and time organization techniques, tutorials, the Cornell way of taking notes, more intensive college and career exploration, taking the PSAT, an AP-end-of-course test, and on-site college visits.

College & Career Readiness (CCR) 11

MIS361,362

Prerequisite: CCR 10 or application/program acceptance

Grades: 11

(Year-long course) 1.0 Credit

Credit type: Elective

CCR is a program that helps students prepare for college through a set of skill-building strategies which enhance a student's learning experience. Students must be self-motivated and have the expectation that postsecondary learning is in their future. At this level, students are expected to show a growing proficiency in the foundational CCR strategies. Postsecondary planning becomes more intensive with students taking the PSAT, the ACT, and multiple AP end-of-course tests. Students will participate in on-site college visits, and host visits from college and other post-secondary career representatives during the elective class.

College & Career Readiness (CCR) 12

MIS461,462

Prerequisite: CCR11 or application/program acceptance

Grades: 12

(Year-long course) 1.0 Credit

Credit type: Elective

CCR is a program that helps students prepare for college through a set of skill-building strategies which enhance a student's learning experience. Students must be self-motivated and have the expectation that postsecondary learning is in their future. At this level, students are expected to show a proficiency in the foundational CCR strategies. Postsecondary activities include: applying to college, scholarships, the senior portfolio, and multiple AP end-of-course tests are all the main focuses for this level. Students will participate in on-site college visits (often applying while on campus), and host visits from college and other postsecondary career representatives during the elective class.

ELL COURSES

Eng Lang Development I

MIS921,922

(Year-long course) 1.0 Credit

This is a beginning course for newly arrived students who have not previously studied English or who have very Basic English skills. Students in this course are primarily Beginning Level students. This course includes vocabulary and language structures with an emphasis on communicative competence. This course receives elective credit and enrollment is concurrent with ELA Foundations I.

Eng Lang Development II

MIS933,934

(Year-long course) 1.0 Credit

This course extends the basic skills of ELD I in listening comprehension, speaking/oral communications, reading and writing. Students in this course are primarily Beginning Level students. This is a course for students who have completed ELD I coursework, have studied English approximately one year before entering U.S. schools, and /or who test at this level of proficiency. This course receives elective credit. Enrollment is concurrent in ELA Foundations II.

Eng Lang Development III

LA923,924

(Year-long course) 1.0 Credit

This course continues to extend the basic skill of ELD II in listening comprehension, speaking/oral communication, reading and writing. Students in this course are primarily Early Intermediate students. This course is for students who have successfully completed ELD 2 coursework, have studied English approximately two years before entering U.S. schools, and/or who test at this level. This course receives English credit. This course can be concurrent enrollment with ELL English I, or English I.

Eng Lang Development IV

LA925,926

(Year-long course) 1.0 Credit

The focus of this course is on the enhancement of students' listening, speaking, reading, and writing skills in English through the study of both narrative and informational written and oral text. Students in this course are primarily Intermediate Level students. This course receives English credit. There is a an English class. Lexiles 635-770.

Eng Lang Development V

LA927,928

(Year-long course) 1.0 Credit

In this course students are independently applying strategies to expand their academic reading, writing, listening and speaking skills. Students in this course are primarily Early Advanced students. This course receives English credit. This is a concurrent enrollment in an English class.

ELA Foundations I

LA911,912

(Year-long course) 1.0 Credit

This course focuses on integrating reading skills, writing skills, and vocabulary building from study of narrative and informational oral or written text. This course includes teaching of foundational reading and writing skills. Students in this course are primarily Beginning Level students. This course receives English credit. Enrollment is concurrent with ELD I.

ELA Foundations II

LA913,914

(Year-long course) 1.0 Credit

This course focuses on consolidating many of the beginning skills through extended practice and instruction as students gain the new skills that are presented at this level. Instruction emphasizes interpersonal communication and academic skills. Students in this course are primarily Beginning Level students. This course receives English credit. This is concurrent enrollment in ELD II.

ELL Intensive Foundations

MIS920

(Year-long course) 1.0 Credit

This course is for beginning level students that audited semester one of ELA Foundations I or Eng Lang Development I course. Beginning level students that enroll second semester should also take this course. The focus of this course is to fill in the topics that were missed in the ELA Foundations I and Eng Lang Development I classes

ELL Language of Science

MIS941,942

(Year-long course) 1.0 Credit

The focus of this course is language development through the exploration of science concepts and skills. It will offer a balanced science experience by engaging students in the practice of science and help them develop their understanding of scientific phenomena and the natural world. This course is designed for newly arrived English Language Learners.

ELL English I

LA929,930

(Year-long course) 1.0 Credit

This is an ELL Sheltered English course. English I develops basic structures of reading and writing, using a variety of works from diverse authors to increase student interest, awareness, appreciation, and understanding of a variety of genre as well as opportunities to apply the writing process to promote communication through written expression. Students will come to understand that personal expression and the way we express ourselves is influenced by society and culture through literary analysis, reflective writing, persuasive writing and character analysis.

ELL Academic Skills

MIS931

(Semester -long course) .5 Credit

This course is for Long Term ELL Students who are close to proficiency or proficient in English language development. Students continue to acquire precise academic vocabulary in all four language domains, learn to effectively communicate across discourses, and interact and respond to text across genres with a critical, global lens. This is an advanced level ELL course. Lexiles 855 and above.

ELL Math Courses:

ELL Math I: MTH921,922

ELL Math III: MTH925,926

ELL Math II: MTH923,924

ELL Algebra I: MTH943,944

ELL Science Courses:

ELL Science II: SCI941,942

ELL Biology: SCI925,926

ELL Earth Science: SCI921,922

ELL Environmental Science: SCI927,928

ELL Social Studies Courses:

ELL 20th Century History: SOC943,944

ELL Government: SOC935

ELL US History: SOC931,932

ELL Economics: SOC937

CENTRAL CAMPUS & CENTRAL ACADEMY

For more information, including course descriptions, please visit the Central Campus website: centralcampus.dmschools.org.

In order to request a course at Central Campus, students must complete the enrollment request form located on the Central Campus website (centralcampus.dmschools.org) under the "Enrollment" tab. For a request to be considered, students must meet the prerequisites for the program, complete the online request form, and enter the course on their Lincoln course plan. Students applying for only Central Academy and/or the World Language program do not need to complete the online request form (submitting the request on the Lincoln course request sheet is sufficient for the Central Academy and World Language program).

Central Academy

<u>Central Academy Class</u>	<u>Requirements and Pre-Requisites</u>	<u>Grades</u>
World Language: Arabic	None	9-12
World Language: Chinese	Proficiency on Iowa Assessment in all 3 test subjects	9-12
World Language: French	None	9-12
World Language: German	Proficiency on Iowa Assessment in all 3 test subjects	9-12
World Language: Italian	Proficiency on Iowa Assessment in all 3 test subjects	9-12
World Language: Japanese	Proficiency on Iowa Assessment in all 3 test subjects	9-12
Intro to Art History	None	9-12
Intermediate Art History	None	10-12
AP Art History	None (Intro or Intermediate Art History recommended)	10-12
Beginning Throwing	None (background in Art recommended)	10-12
AP World History	None	10-12
AP European History	None	10-12
Middle East & Islam History (College)	None	9-12
Latin American History (College)	None	9-12
AP Computer Science Principles	Algebra I	9-12
AP Computer Science A	Pre-Calculus	11-12
Artistic Inquiry & Expression		
Creative Movement	Must be G/T Identified	9-12

Central Campus

<u>Central Campus Class</u>	<u>Requirements and Pre-Requisites</u>	<u>Grades</u>
Agriculture and Environmental Sciences		
Animal Science & Horticulture	None	10-12
Applied Animal Science/Horticulture	Animal Science & Horticulture recommended	11-12
Global Animal Science	Animal Science & Horticulture recommended	11-12
Horticulture/Environmental Science	Animal Science & Horticulture recommended	11-12
Animal Science/Vet Careers	Animal Science & Horticulture recommended	11-12
Aquarium Science	None	10-12
Iowa Energy & Sustainability	None	9-12
Marine Biology	Biology	10-12
Building Technologies		
Intro to Skilled Trades	None	9-12
Applied Skilled Trades	None	9-12
Welding	Must complete year 1 to take year 2	11-12
Plumbing & Mechanical Systems	None (Skilled Trades course recommended)	10-12
Paint Application	None (Skilled Trades course recommended)	10-12
Electricity	None (Skilled Trades course recommended)	10-12
Carpentry	None (Skilled Trades course recommended) Must complete previous years to take years 2 or 3	10-12

Central Campus Class	Requirements and Pre-Requisites	Grades
Communications/Media		
Commercial Photography	Must complete year 1 to take in year 2	11-12
Broadcasting & Film	Must complete previous years for year 2 or 3	10-12
Graphic Communication	Must complete previous years to year 2 or 3	10-12
Education & Leadership		
Army JROTC	Must complete previous years to year 2, 3, or 4 EB indicates Early Bird ROTC	9-12
Criminal Justice	None	11-12
Early Childhood Careers	Must pass criminal background check Must complete year 1 to take year 2	11-12
Sports Officiating –Fall	None	11-12
Sports Officiating—Spring	None	11-12
Urban Teacher Academy	Must complete year 1 to take year 2	11-12
Urban Leadership	Must complete year 1 to take year 2	9-12
Dream to Teach 1	None	9-12
Dream to Teach 2	Dream to Teach 1	9-12
Youth Voice for Equity	None	9-12
Engineering		
Computer Aided Drafting & Design	Previous PLTW or CAD course recommended	10-12
PLTW: Digital Engineering & Robotics	Algebra I	10-12
PLTW: Civil Engineering & Architecture	Previous PLTW or CAD course recommended	11-12
PLTW: Computer Integrated Manufacturing	Previous PLTW or CAD course recommended	10-12
PLTW Engineering Design & Development	Previous PLTW or CAD course recommended	12
Family & Consumer Sciences		
Culinary Arts & Restaurant Management	Must complete previous years to enroll in year 2 or 3	10-12
Intro to Fashion/Garment Construction	None	9-12
Fashion Design & Merchandising	Intro to Fashion or sewing course recommended	11-12
Health Sciences		
Nurse Aide—Basic	Must pass criminal background check	11-12
Nurse Aide—Advanced	Must pass criminal background check	11-12
Career Opportunities in Health (COH)	None	11-12
College Anatomy & Physiology	Biology; co-requisite of Chemistry	11-12
College Genetics & Microbiology	Biology; co-requisite of Chemistry	11-12
Technology & Systems Integration		
Cybersecurity	None	10-12
Intro to Robotics	None	9-12
Software Design & Gaming	None	10-12
Transportation		
Intro to Auto	None	10-12
Automotive Collision	Must complete year 1 to take year 2	11-12
Automotive Technology	Must complete year 1 to take year 2	11-12
Essentials of Flight	None	9-12
Dynamics of Flight	None	9-12
Pilot Training	None	10-12
Aviation	Must complete previous years to take Year 2 or 3	10-12