

LINCOLN HIGH SCHOOL

COURSE CATALOG

2017–2018



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 have questions or a grievance related to this policy, please contact Isaiah McGee, Equity Coordinator, 2323 Grand Ave, Des Moines, IA 50312; phone: 515-242-7662. 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, Economics or Microeconomics, and 1.0 additional credit in history	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

21st Century Skills Graduation Requirement

As a part of the 23 required credits for graduation, all students must complete coursework in Financial Literacy, Health Literacy, Technology Literacy, and Employability Skills. Beginning with the class of 2021, students will be required to complete a Family Life and Consumer Sciences course in addition to Financial, Health, Tech, and Employability requirements to meet the 21st Century Skills graduation requirements. The courses that meet each of these requirements are noted with the symbols below throughout the course catalog. Students must complete at least one course from each category of skills.

Employability Skills:



Financial Literacy:



Technology Literacy:



Health Literacy:



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 and media literacy 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, Economics or Microeconomics, and 1.0 additional credit in history	US History, US Government, Economics or Microeconomics, and 1.0 additional credit in history	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
History s1:		
History s2:		
US History s1:		
US History s2:		
US Government:		
Economics:		

Science (3 credits)		Credits
Science Class:		

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

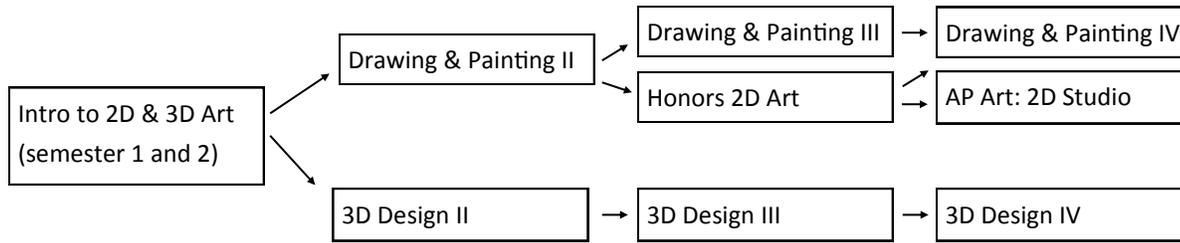
Applied/Fine Arts (1.5 credit)		Credits
FAA Class #1:		
FAA Class #2:		
FAA Class #3:		

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

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.

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.

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.

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.

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.

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.

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 three distinct sections. These sections require the student to demonstrate quality, in-depth engagement (concentration), and breadth of work.

Career & Technical Education

CTE: Business & Technology

Future Ready: CTE101 Career & Academic Planning, 1 semester	Tech Seminar: BUS101 Intro to Business/Technology, 1 semester	Intro to Computer Science (PLTW): TEC161 1 semester
Personal Financial Management: BUS323/College BUS532 1 semester	Computer Applications: BUS333/College BUS531 1 semester ***Beginning Computer Applications for ELL: BUS111***	
* General Business – Commerce *	* Marketing - Management *	* Office - Technology *
Intro to Business: BUS103 1 semester	Marketing- Principles: BUS311 1 semester	PowerPoint & Multimedia: BUS337/College BUS525 1 semester
General Business: BUS105 1 semester	Marketing- Retail: BUS312 1 semester	Intro to Website: BUS103/College BUS521 1 semester
Accounting: BUS301/College533 1 semester	Marketing- Sales: BUS313/CollegeBUS529 1 semester	Desktop Publishing: BUS103/College BUS527 1 semester
International Business: BUS325 1 semester	Marketing- Entrepreneurship: BUS314/College BUS530 1 semester	
Business Law: BUS321 1 semester		
Work Based Learning Opportunities: Earn while you learn! Multi-Occupations Coop (Currently- Marketing Coop): BUS353-354 / College 537-538		
Postsecondary Opportunities: * DMACC: Business Commerce, General * DMACC: Business-Marketing, Management * DMACC: Administrative Assistant * 4-Year Universities: Multiple Business Degrees *		

Future Ready: Academic & Career Planning CTE101

Prerequisite: None
Grades: 9
(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!

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 word processing, database, presentation, and spreadsheet functions. Students will complete projects in each topic. This course will help students to develop skills needed for both professional, educational, and personal use.

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.

Computer Applications BUS333

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

Computer Applications 2 includes modern information processing techniques with a heavy 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. If you would like to earn DMACC concurrent college credit, enroll in BUS531.

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.

Intro to Business

BUS103

Prerequisite: None

Grades: 9

(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 business and marketing area. 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.

General Business

BUS105

Prerequisite: None

Grades: 9

(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.

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.

Business Law

BUS321

Prerequisite: None

Grades: 10-12

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts

The main objective of this course is to help students understand the basic legal principles relevant to each individual's personal and professional life. Topics include the law relating to youth rights and responsibilities, drugs, contracts, property, credit, insurance, investments, auto negotiable instruments, and ailments. Emphasis will be placed on helping students recognize those situations that occur in life that require assistance from legal professionals.

College Intro to Website Design

BUS521

Prerequisite: None

Grades: 10-12

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts



This course introduces the student to basic concepts, languages and tools used in the development of an Ecommerce website. Students will identify effective design concepts and characteristics of successful websites. During the course students will be introduced to HTML and DHTML concepts and technologies including HTML, XHTML, CSS, JavaScript and the Document Object Model. Students will use current tools and techniques to design and create commercially oriented websites.

College Desktop Publishing

BUS527

Prerequisite: None

Grades: 10-12

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts



This course stresses the in-house preparation of documents, brochures, leaflets, and newspapers. Current procedures and technologies will be used while stressing the importance of communication skills. Individual and group projects will be completed for inclusion in their personal employment portfolios. **Offered every other year (during odd graduating years) .**

College PowerPoint & Multimedia

BUS525

Prerequisite: None

Grades: 10-12

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts



The use of PowerPoint presentation software and the Internet are used during this course. Students will learn how to create electronic presentations using a variety of software, basic web pages, computer animation, and effectively search for information using the Internet. Students will also use computer peripherals such as the scanner, digital camera, and computer projection devices. **Offered every other year (during even graduating years).**

College Personal Finance Management

BUS523

Prerequisite: None

Grades: 10-12

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts



Students will study the management of personal, family and business finances, including budgeting, consumer buying, personal credit, savings and investing, home ownership, insurance, and retirement. This course will help prepare all students for their financial challenges now and in the future.

Accounting 1

BUS301

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.

College Accounting 1

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.

Advanced Accounting

BUS401

Prerequisite: BUS301 or BUS533

Grades: 10-12

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts



This course involves further study of the accounting cycles, forming partnerships, partnership accounting, departmental accounting, uncollectible accounts, accruals, prepaid expenses, corporation, and cost and managerial accounting.

Marketing / Principles

BUS311

Prerequisite: None, Co-requisite: Marketing Co-op

Grades: 10-12

(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. **Offered every other year (during odd graduating years).**

Marketing / Retailing

BUS312

Prerequisite: None

Grades: 10-12

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts



This course is designed to prepare students for employment or future education in the area of retail marketing. Specific topics studied include site selection, store layout, display, promotion, advertising, pricing, discounting, warehousing, ordering, special sales, selling, and control of merchandise and receipts. Careers in retailing will also be investigated thoroughly. Personal and workplace human relation skills will be studied. **Offered every other year (during odd graduating years).**

Marketing / Sales

BUS313

Prerequisite: None

Grades: 11-12

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts



The emphasis of this course will be on selling techniques and human relations skills needed by salespeople. All aspects of the selling process, from preparation to closing and follow-up, will be examined and practiced. Selling as a career will be investigated, and job-seeking skills will be developed. **Offered every other year (during even graduating years).**

Marketing / Entrepreneurship

BUS314

Prerequisite: None

Grades: 11-12

(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 the use of guest entrepreneurs. **Offered every other year (during even graduating years).**

College Marketing / Sales

BUS529

Prerequisite: None

Grades: 11-12

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts



The emphasis of this course will be on selling techniques and human relations skills needed by salespeople. All aspects of the selling process, from preparation to closing and follow-up, will be examined and practiced. Selling as a career will be investigated, and job-seeking skills will be developed. **Offered every other year (during even graduating years).**

Marketing / Entrepreneurship

BUS530

Prerequisite: None

Grades: 11-12

(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 the use of guest entrepreneurs. **Offered every other year (during even graduating years).**

Marketing Co-op (college)

BUS537,538

Co-requisite: Marketing Course

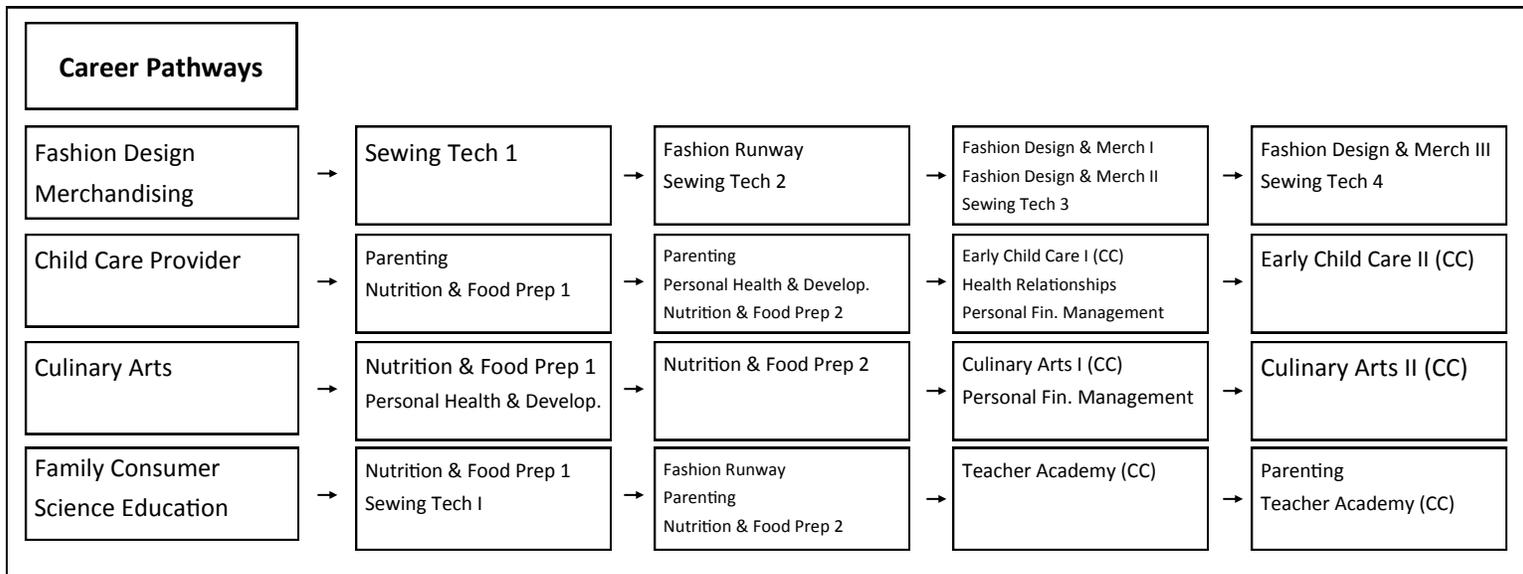
(Year-long or semester course) 0.5 Credit/semester

Credit type: Applied/Fine Arts



Marketing Co-op is the work experience for students in the Marketing Program. Students are required to work a minimum of 15 hours per week to earn the co-op credit.

CTE: Family & Consumer Science



Personal Health & Development

FCS101



Prerequisite: None

Grades: 09

(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.

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 diet planning and develop skills for selection, care, and preparation of a variety of food. Labs are designed to help students practice safe food preparation techniques and develop basic preparation techniques. Cooking labs include the categories of fruits and vegetables; milk, egg, and plant proteins; grains, pastas, and starches; and basic baking techniques. Students will cook a wide variety of foods, from breakfast to main dishes to desserts.

Nutrition & Food Prep 2

FCS109



Prerequisite: Nutrition & Food Prep 1

Grades: 09-12

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts

In Nutrition and Food Prep 2, students will develop skills in meal management to meet individual and family food needs and understand principles of economics and ecology for cost savings. Students will build on the basic skills learned in Nutrition & Food Prep 1 by investigating a more scientific approach to food preparation. Cooking labs include a wide range of foods, such as quick and easy main dishes; scratch-made yeast breads, pies, cakes, and gourmet desserts; and a variety of ethnic foods. Students also explore how to combine and plate aesthetically pleasing and nutritious meals and investigate at least one career opportunity.

Future Ready: Academic & Career Planning

CTE101



Prerequisite: None

Grades: 9

(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!

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.

Housing & Design Industry

FCS207

Prerequisite: None

Grades: 10-12

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts

In this course students will analyze career pathways and opportunities for employment and entrepreneurial endeavors in the housing industry. Students will explore interior design, exterior design, housing decisions, and housing trends. Students will evaluate housing from a consumer and professional viewpoint. Students will experience a career as a real estate agent. They will gain an understanding of architectural and landscape design elements and will become interior designers where they apply to principles of design to interior spaces while renovating a home.

Parenting: Conception-Toddler FCS103

Prerequisite: None
Grades: 09-12
(Semester course) 0.5 Credit
Credit type: Applied/Fine Arts



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. Students will study human development from conception through age 3. After taking this course, students will understand the importance of growth and development of children of all ages, appreciate the responsibilities of being a parent, planning for a healthy pregnancy, will explore child-related careers and be able to appropriate care for a child.

Parenting: Preschool-Adolescent FCS203

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



Students will develop skills in the care and guidance of children from preschool to adolescent. Students will examine various types 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 preschool children and teens. Students will study human development from age 4 to adolescence with the interrelationship of all areas of development; physical, social-emotional, and intellectual. After taking this course, students will understand the changing needs of a child as they grow and develop.

Health Relationships FCS201

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



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.

Fashion Runway FCS213

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



Students will explore the fashion industry with hands-on learning that simulates real world fashion careers. This project-based class will look behind the scenes of careers such as fashion designer, stylist, journalist, textile scientists, and fashion show promoters and planners. Students will begin by applying sources of inspiration to design their original fashion garments. Students will evaluate the effects of the elements and principles of design when creating fashion. Students will design their own fabric print to be a part of their design collection. **This course is the design part of fashion; there is no sewing or construction in this course.**

Sewing Technology 1 FCS113

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

In this course, students will use technology and sewing techniques to construct clothing and textile products. Students will create projects such as a pine cushion, stuffed animal, pillow, portfolio, kitchen apron, and pajama pants. This course offers students the opportunity for hands-on learning and an outlet to express their creativity.

Sewing Technology 2 FCS205

Prerequisite: Sewing Technology 1
Grades: 10-12
(Semester course) 0.5 Credit
Credit type: Applied/Fine Arts

In Sewing Technology 2, students will experiment with more advanced sewing technology and techniques to construct clothing and textile products. Students will create projects such as a bag, pillow, zipper bag, pattern pouch, a sleeve project, and a project of their choice.

Advanced Sewing Technology 3 FCS305

Prerequisite: Sewing Technology 2
Grades: 11-12
(Semester course) 0.5 Credit
Credit type: Applied/Fine Arts

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.

Advanced Sewing Technology 4 FCS405

Prerequisite: Sewing Technology 3
Grades: 11-12
(Semester course) 0.5 Credit
Credit type: Applied/Fine Arts

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.

Advanced Sewing Technology 5 FCS406

Prerequisite: Sewing Technology 4
Grades: 12
(Semester course) 0.5 Credit
Credit type: Applied/Fine Arts

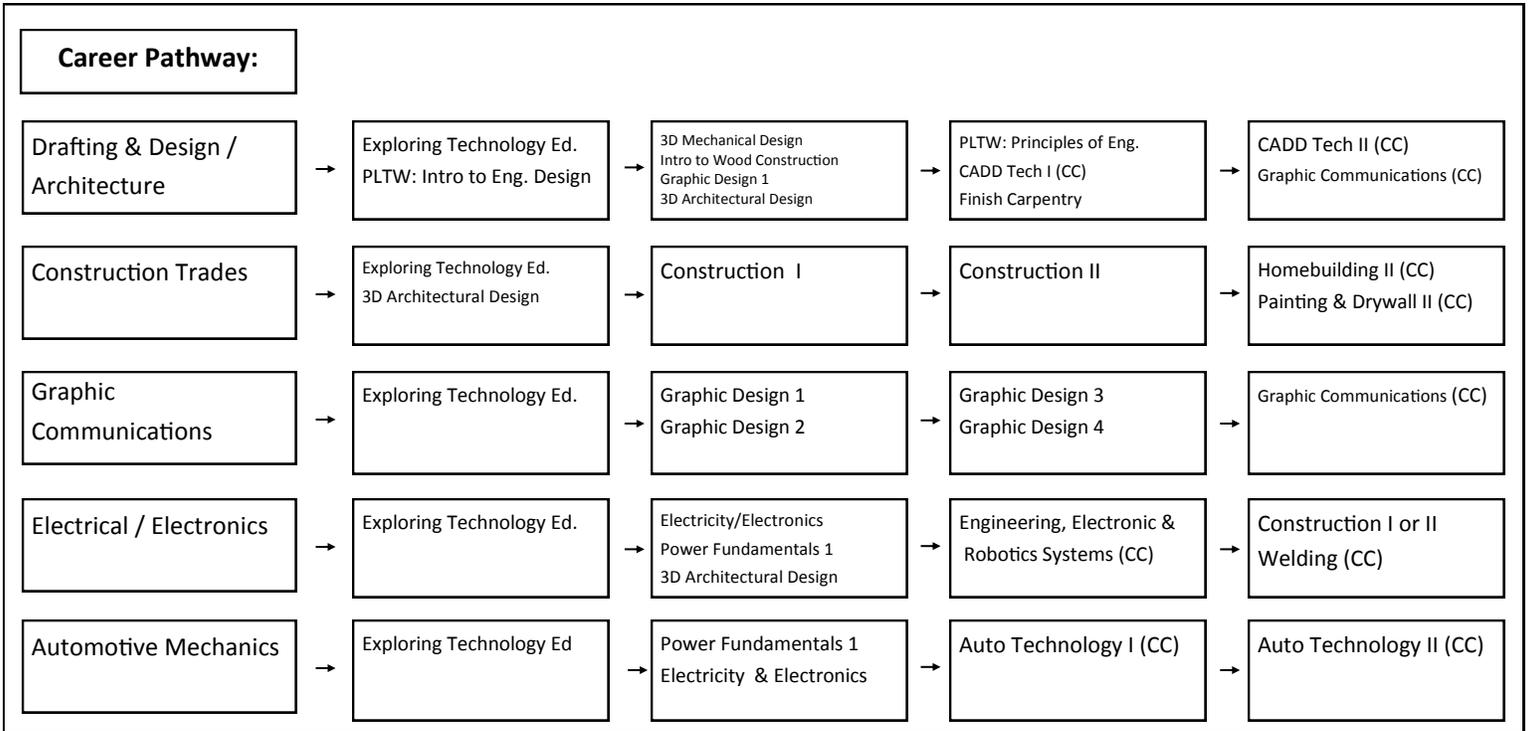
In Advanced Sewing Technology 5, students will continue to advance their skills in the selection, purchase, construction and alternation of clothing and textiles. Students will need to purchase and bring materials, patterns and notions throughout the semester for individual projects. In this class students will create their own line of clothing following design principles to be displayed in the school fashion show.

Advanced Sewing Technology 6 FCS407

Prerequisite: Sewing Technology 5
Grades: 12
(Semester course) 0.5 Credit
Credit type: Applied/Fine Arts

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.

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 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.

Future Ready: Academic & Career Planning

CTE101

Prerequisite: None

Grades: 9

(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!

Graphic Design Fundamentals 1

TEC223

Prerequisite: None

Grades: 09-12

(Semester course) 0.5 Credit

Credit type: Applied Fine Arts



The student will experience a wide range of hands-on experiences and knowledge of modern printing processes and careers. The students will design and produce various products using appropriate printing technology. During the semester, students will be introduced to publication design, desktop publishing, electronic imaging, process photography including halftone photography, image assembly/plate making, offset lithography including multi-color printing, silk-screen printing and bindery/finishing.

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.

Graphic Design Technology 2

TEC225

Prerequisite: Graphic Design Fundamentals 1

Grades: 10-12

(Semester course) 0.5 Credit

Credit type: Applied/Fine Arts



Through hands-on and problem-solving activities the student will gain additional knowledge and skills in the current technology relating to the materials processes, equipment, products, and the careers in the Graphic Arts industry. This course will introduce the students to halftone and special effects photography, multi-color reproduction processes, and the various computer applications in design as well as job cost estimating and production scheduling which are part of Graphic Arts management.

Advanced Graphic Design Tech TEC307
Prerequisite: Graphic Design Technology 2
Grades: 11-12
(Semester course) 0.5 Credit
Credit type: Applied/Fine Arts

The student's knowledge and skill base will continue to grow in this advanced course, as the students will develop their own multi-color projects as designed by both the student and the teacher.

Power Fundamentals 1 TEC215
Prerequisite: None
Grades: 10-12
(Semester course) 0.5 Credit
Credit type: Applied/Fine Arts



The student will gain knowledge of the basic physical and mechanical principles related to the transportation field. Through classroom instruction, demonstration, hands-on and problem-solving activities, the student will gain knowledge and skills in the operation and servicing of small engines such as lawnmowers, snow blowers, and go-karts. Emphasis is placed on the operation and servicing of engine systems. The student will also learn to apply safety as it relates to the vehicle, power tools, test equipment, and materials.

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 1: Into to Industry TEC231
Prerequisite: None
Grades: 10-12
(Semester course) 0.5 Credit
Credit type: Applied/Fine Arts



Students will have the opportunity to earn an OSHA 10 card accepted nationwide in the construction industry. They will also receive a certificate for General Construction I. The course will utilize the Ace accredited LIUNA Training & Education fund General Construction I Curriculum. Topics include: Intro to Construction Industry, Craft Orientation, Construction Math, Back Safety & Heat Stress, Tool & Material Identification, Power Tools and Aerial Lifts. General Construction I qualifies for two college semester hours in Intro to Construction Technology or one semester hour in Intro to Construction and one semester hour in Industrial Safety.

Construction Pre-Apprentice TEC233,234
Prerequisite: Construction I
Grades: 10-12
(Year-long course) 1.0 Credit
Credit type: Applied/Fine Arts



The advanced Construction program will focus on the commercial construction process. Students will be working with experience 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 & Rigging, Cutting & Burning, Concrete, Pipe Laying, Blue Print Reading, Line & Grade, Ladders and Scaffolds. Throughout the school year, students will be involved in building a community project. General Construction II qualifies for three college semester hours in Intro to Construction Technology. Completion of this course qualifies for direct entry into LIUNA's Construction Craft Laborers' Apprenticeship Program.

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.

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





This is the first year foundation course of the national pre-engineering program, Project Lead the Way. This course teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software.

PLTW: Principles of Engineering Design (college) TEC503,504
Prerequisite: TEC501,502
Grades: 10-12
(Year-long course) 1.0 Credit





This is the second year foundation course in the national pre-engineering program, Project Lead the Way. This course helps students understand the field of engineering. Exploring various manufacturing processes and technologies help students understand how engineers use math, science and technology in problem solving to benefit humans.

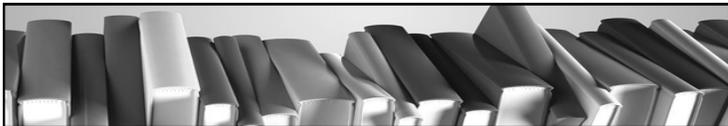
Intro to Wood Construction & Finish Carpentry 2 TEC211,213
Prerequisite: None
Grades: 10-12
(Year-long course) 1.0 Credit
Credit type: Applied/Fine Arts



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.

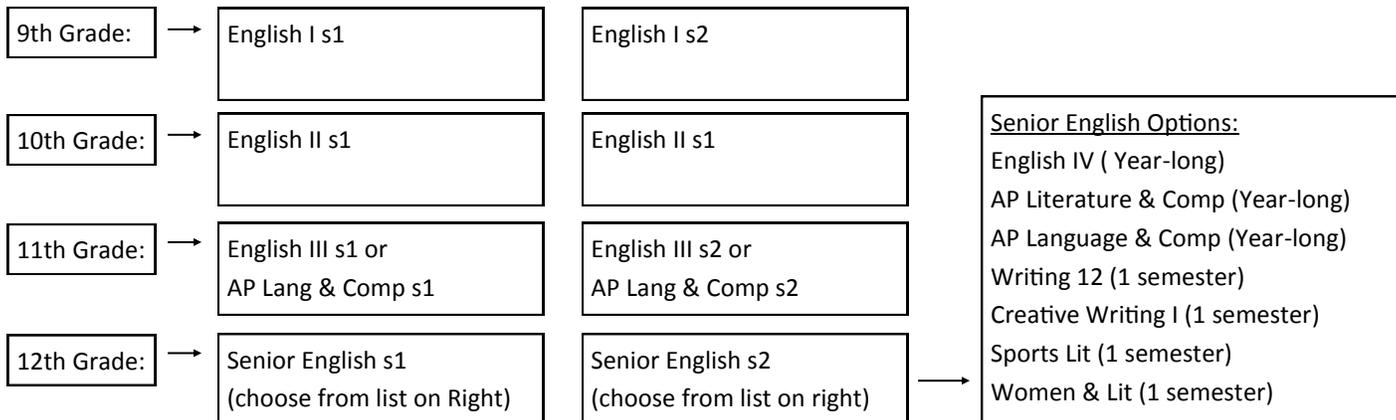
Finish Carpentry 3 & 4 TEC301,302
Prerequisite: Woodworking Fundamentals 2
Grades: 11-12
(Year-long course) 1.0 Credit
Credit type: Applied/Fine Arts

This advanced course is available to students to continue to develop machine techniques as they construct various projects including cabinets, tables, and other finish carpentry construction applications. Individual projects will be developed by the student and teacher together.



English/Language Arts

English/Language Arts Pathway of Study: Need 4.0 Credits for Graduation



English I **NCAA** LA103,104

Grades: 09

(Year-long course) 1.0 Credit
 Credit type: English

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 IV **NCAA** LA403,404

Grades: 12

(Year-long course) 1.0 Credit
 Credit type: English

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.

English II **NCAA** LA205,206

Grades: 10

(Year-long course) 1.0 Credit
 Credit type: English

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.

AP Language & Composition **NCAA** LA501,502

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.

English III **NCAA** LA305,306

Grades: 11

(Year-long course) 1.0 Credit
 Credit type: English

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.

AP Literature & Composition **NCAA** LA503,504

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.

Writing 12

LA409

*Grades: 12**(Semester course) 0.5 Credit**Credit type: English*

This composition course stresses practice in writing through daily writing pieces as well as several compositions throughout the semester. Writing skills include supporting ideas with valid reasons and evidence, effectively organizing written pieces, connecting ideas from multiple sources, and writing about literature and informational texts.

Creative Writing I

NCAA LA303

*Grades: 11-12**(Semester course) 0.5 Credit**Credit type: English*

Creative Writing is a valuable course for those who have an interest in writing. The goal is to achieve a greater appreciation of literature by creating one's own fiction and by reading and responding to other's work while attending to structure and style. Students will be encouraged to select their own topics with the support and guidance of the instructor.

**Lit & Comp: Women and Literature**

LA419

*Grades: 11-12**(Semester course) 0.5 Credit**Credit type: English*

In Literature and Composition: Women and Literature students examine literary and informational texts by and about women; the emphasis is on works not read in other English classes. The literature represents several centuries and cultures. Classes include group projects, discussion, film, documentaries, and current issues. Each student keeps a journal, and the class has its own library. Major student assessments will include narrative writing, research papers, literary analyses, interviews, ethnographic research, and persuasive writing. Success in this course will require significant time devoted to reading and writing.

Lit & Comp: Sports Lit

LA416

*Grades: 12**(Semester course) 0.5 Credit**Credit type: English*

In Sports Lit, students will examine both classic and contemporary sports writing. Classes include guest speakers, group projects, discussion, writing sports-related blogs, documentaries, interviews, creative writing, and research-based assignments. Student will be required to focus not just on sports but issues that surround sports as well -- these topics include race, politics, class, and current issues. Success in this course will require significant time devoted to reading and writing.

Writing Workshop

LA351

*Co-requisite: AP Lang & Comp, AP Lit & Comp, or AP US History**Grades: 10-12**(Semester course) 0.5 Credit**Credit type: Elective*

Teachers will provide students with high quality feedback on developing drafts of papers, suggest writing strategies, diagnose writing problems, ask questions, review misunderstood or missing information, listen to writers, and help them gain a perspective on their writing. Since every student is different, the teaching and learning will be personalized in multiple ways. Learning to write involves practice, risk taking, and revising. Writing labs are places where students are encouraged to try and to experiment. Students will engage in trial runs of ideas and approaches, to fail and move on to another attempt, while always receiving encouragement for their efforts.

The teacher's role in the writing lab is not to lecture at students or to repeat information available from the regular classroom experience. Instead the teacher may offer weekly mini-lessons and will collaborate with students individually and in small groups to facilitate the process of student writers finding their own answers. Mini-lessons could include, but are not limited to: vocabulary, grammar, punctuation, citation, formatting, organization, thesis writing, etc. To accomplish this, teachers may engage writers in discussions of their writing topics so that students can develop their ideas and practice the phrasing and vocabulary of the kinds of writing they will be producing such as arguments, rhetorical analysis, and synthesis essays. Students should be concurrently enrolled in AP English Language & Composition, AP English Literature & Composition, or AP US History.

Modern Expression

LA141

*Prerequisite: None**Grades: 09**(Semester course) 0.5 Credit**Credit type: Elective*

This one-semester course will focus on issues and topics relevant to modern life. Students will be asked to question the way they experience the world around them through text, film, art, and so forth. Through personal, analytical, and argumentative discussion and writing, students will increase their ability to think and write critically about the society around them.



Graphic Novels LA241

Prerequisite: None
Grades: 09
(Semester course) 0.5 Credit
Credit type: Elective

Students will read literary works that have been adapted into a graphic novel format, enabling a deeper analysis of the text involved. This course will be a collaborative learning community in which the students will explore the graphic novel medium as a mode of communicating stories, using various texts as a way to enhance, practice, and master traditional and new literacies. Graphic novels are a rich and varied form of literature and students will analyze the structure, research the history and growth of the popular culture phenomenon of graphic novels, and look closely at the effects created in sequential art narrative.

Play Production I LA131,132

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.

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.

Theater Arts I LA129,130

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.

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.

Theater Arts II LA229,230

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 LA329,330

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 playwriting, criticism, and auditioning. Students will explore forms of creative expression, performance styles, methods of acting, and artistic styles.

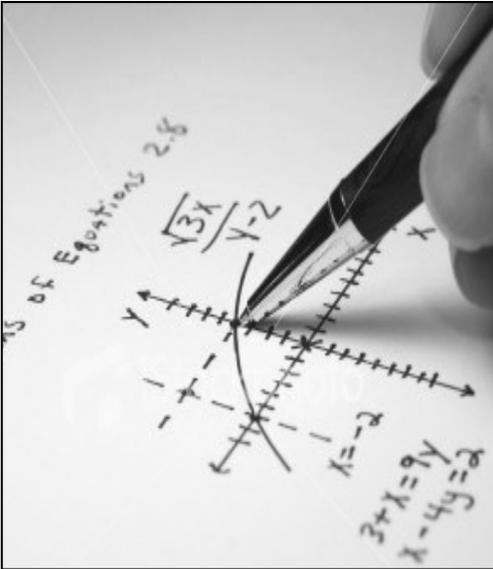


Theater Arts IV: Direct/Mgmt. LA429,430

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.

Mathematics



Mathematics Pathway of Study: Need 3.0 Credits for Graduation

9th Grade:	→ Algebra I s1 or Geometry s1	Algebra I s2 or Geometry s2
10th Grade:	→ Geometry s1 or Algebra II s1	Geometry s2 or Algebra II s2
11th Grade:	→ Intro to Statistics or Algebra II s1 or Pre-Calculus s1	Intro to Trigonometry or Algebra II s2 or Pre-Calculus s2
12th Grade:	→ Intro to Statistics or Pre-Calculus s1 or AP Calculus s1 or AP Statistics s1	Intro to Trigonometry or Pre-Calculus s2 or AP Calculus s2 or AP Statistics s2

Algebra I

NCAA MTH111,112



Grades: 9-12
(Year-long course) 1.0 Credit
Credit type: Algebra I s1 & s2

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.

Geometry

NCAA MTH211,212

Grades: 9-12
(Year-long course) 1.0 Credit
Credit type: Math

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

NCAA MTH311,312

Grades: 9-12
(Year-long course) 1.0 Credit
Credit type: Math

This course extends basic algebraic skills developed in Algebra I. Students study complex numbers, explore sequences and series, work with logarithmic functions, exponential functions, and investigate trigonometric functions.

Introduction to Statistics

MTH321

Prerequisite: Algebra I and Geometry
Grades: 11-12
(Semester course) 0.5 Credit
Credit type: Math

Introduction to Statistics is a one-semester class. Pre-requisites are 2-2.5 years of prior math including algebra 1 and geometry. Topics of study include but are not limited to methods of data collections, various means of organizing and describing data, interpreting charts and graphs, and probability. Students will be using real-life data as part of their learning. Students are expected to work outside of class gathering data for in-class projects and will be expected to read articles during class as needed.

Introduction to Trigonometry

MTH413

Prerequisite: Algebra I & Geometry
Grades: 11-12
Semester course) 0.5 Credit
Credit type: Math

Introduction to Trigonometry is a one-semester class. The students will be expected to recognize patterns and develop and evaluate plausible solutions to real world situations. Topics include: the unit circle, trigonometric functions (definitions, graphs and inverses), right triangles, oblique triangles, trigonometric identities, trigonometric equations, the trigonometric form of complex numbers, two-dimensional vectors, polar coordinates, and parametric equations.

Pre-Calculus

NCAA 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 Statistics

NCAA 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.

AP Calculus AB

NCAA 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.

Music

<p>Band MUS103,102</p> <p><i>Prerequisite: Middle School Band</i> <i>Grades: 09-12</i> <i>(Year-long course) 1.5 Credit</i> <i>Credit type: Applied/Fine Arts</i></p> <p>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. 9th grade band students must take Band lessons (MUS181,182) Students in may audition for Color Guard for the Marching Band Season (MUS113).</p>	<p>Show Choir MUS217,218</p> <p><i>Prerequisite: Audition</i> <i>Grades: 10-12</i> <i>(Year-long course) 1.0 Credit</i> <i>Credit type: Applied/Fine Arts</i></p> <p>There are highly competitive groups that incorporate 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. Students will be placed into Varsity or Junior Varsity Show Choir based on audition results.</p>
<p>Orchestra MUS121,122</p> <p><i>Prerequisite: Middle School Orchestra</i> <i>Grades: 09-12</i> <i>(Year-long course) 1.0 Credit</i> <i>Credit type: Applied/Fine Arts</i></p> <p>This course is for all interested string players. Students participate in several concerts per year.</p>	<p>Chamber Choir MUS315,316</p> <p><i>Prerequisite: Audition</i> <i>Grades: 10-12</i> <i>(Year-long course) 1.0 Credit</i> <i>Credit type: Applied/Fine Arts</i></p> <p>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.</p>
<p>Jazz Band MUS107,108</p> <p><i>Prerequisite: Audition</i> <i>Grades: 09-12</i> <i>(Year-long course) 1.0 Credit</i> <i>Credit type: Applied/Fine Arts</i></p> <p>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.</p>	<p>Jazz Choir MUS221,222</p> <p><i>Prerequisite: Audition</i> <i>Grades: 10-12</i> <i>(Year-long course) 1.0 Credits</i> <i>Credit type: Applied/Fine Arts</i></p> <p>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.</p>
<p>9th Grade Choir MUS139,140</p> <p><i>Prerequisite: None</i> <i>Grades: 09</i> <i>(Year-long course) 1.0 Credit</i> <i>Credit type: Applied/Fine Arts</i></p> <p>Students will discuss and sing repertoire from different genres and cultures, build basic vocal skills and musical literacy. As a performance class, choral literature will be rehearsed and performed at required concerts each semester.</p>	<p>Music Theory (Introduction) MUS153</p> <p><i>Prerequisite: None</i> <i>Grades: 10-12</i> <i>(Semester course) 0.5 Credits</i> <i>Credit type: Applied/Fine Arts</i></p> <p>Students will study traditional music theory, including scales, chords, intervals, transposition, and beginning part-writing.</p>
<p>Concert Choir MUS139,140</p> <p><i>Prerequisite: None</i> <i>Grades: 10-12</i> <i>(Year-long course) 1.0 Credit</i> <i>Credit type: Applied/Fine Arts</i></p> <p>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.</p>	<p>AP Music Theory MUS501,502</p> <p><i>Prerequisite: None</i> <i>Grades: 11-12</i> <i>(Year-long course) 1.0 Credits</i> <i>Credit type: Applied/Fine Arts</i></p> <p>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.</p>
<p>Treble Choir MUS171,172</p> <p><i>Prerequisite: None</i> <i>Grades: 11-12</i> <i>(Year-long course) 1.0 Credit</i> <i>Credit type: Applied/Fine Arts</i></p> <p>This is an intermediate 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.</p>	

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 but 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 but 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

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.

Bowling

PHY331

Prerequisite: Student must have their own transportation

Grades: 11-12

(Semester course) 0.5 Credit

Credit type: Physical Education

Students will learn approaches, release, etiquette, clothing, rules, scoring, and safety. Activities can include but not limited to: line bowling, league play, baker style tournament, pin and spot bowling. District mandated fitness assessments will be administered in pre and post test form. **Students must pay for their own games (the cost has historically been approximately \$3.00 per class) and provide their own transportation to and from the bowling alley. This class meets in the Roundhouse at Main for the first week of class**

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.



Contract PE

PHY901

Prerequisite: counselor/administrator approval based on district criteria

Grades: 9-12

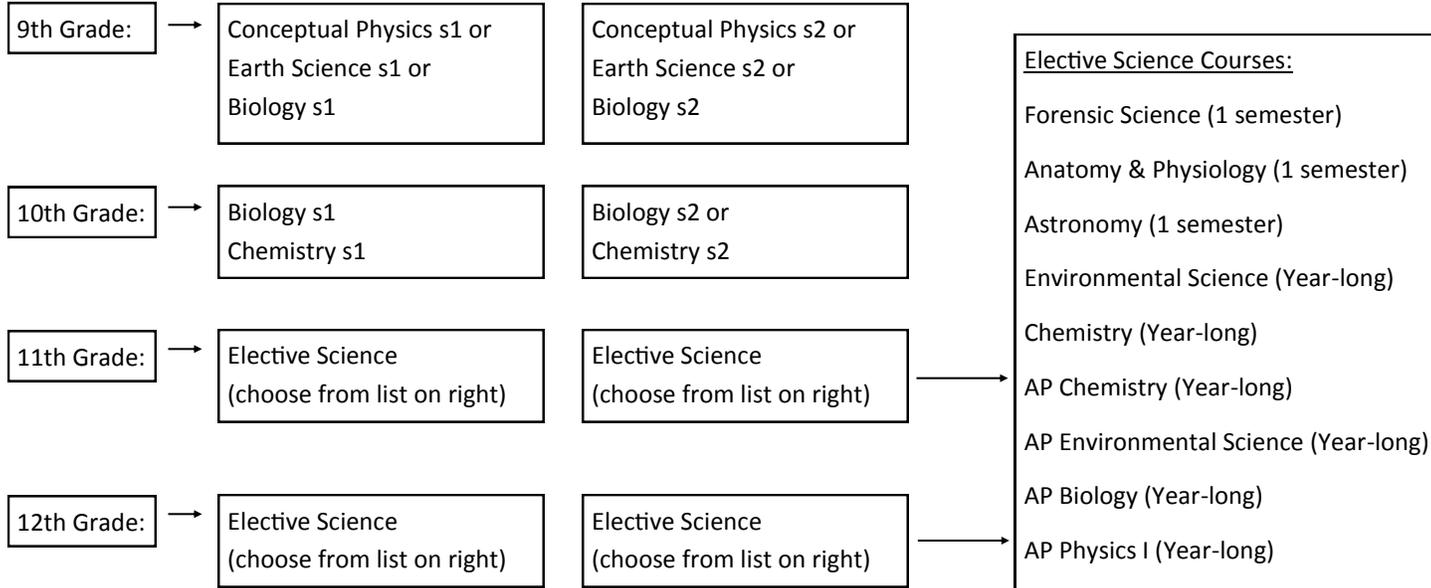
(Semester course) 0.5 Credit

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: 09

(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

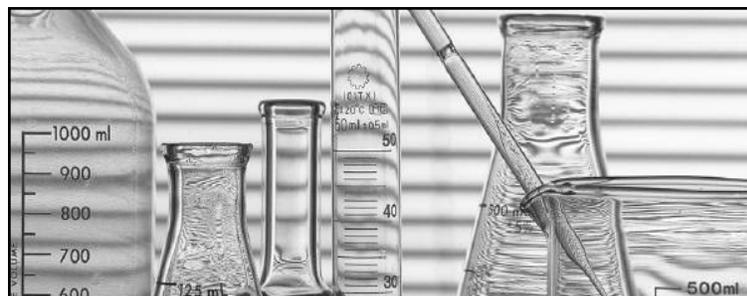
Prerequisite: Algebra I

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.



Forensic Science

SCI303

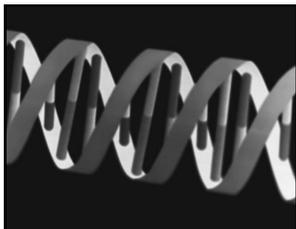
Prerequisite: Biology

Grades: 11-12

(Semester course) 0.5 Credit

Credit type: Science

Forensic Science is an innovative and unique one semester course that develops critical thinking and problem-solving skills. Fingerprinting identification, hair analysis, and trace evidence examination are only a few of the many topics discussed. This course is rich in lab work and is a natural vehicle for students to practice science as inquiry. Forensic science is multidisciplinary; it is an applied science that encompasses the sciences, technology, mathematics, social studies, and language arts.



Anatomy & Physiology

NCAA 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 Chemistry

NCAA SCI505,506

Prerequisite: Chemistry

Co-requisite: AP Chemistry Lab

Grades: 11-12

(Year-long course) 1.0 Credit

Credit type: Science

AP Chemistry is an intensive study of matter at the atomic and molecular levels, emphasizing inorganic chemistry. There is a concentration on the mathematical treatment of the principles of college chemistry. The course covers formula writings, types of chemical reactions and stoichiometry, atomic and molecular structure, gases, kinetics, equilibrium, acid-base chemistry, and thermodynamics. Laboratory work is extensive and equivalent to freshman college-level with formal reports. Completion of the AP exam is an expectation for all AP courses. **Laboratory work is extensive and is equivalent to a freshman, college-level science lab with formal reports. An additional block is required for lab work for two semesters.**

Science Lab AP/IB

SCI591,592

Co-requisite: AP Chemistry

Grades: 11-12

(Year-long course) 1.0 Credit

Credit type: Elective

This course is required for students who are concurrently enrolled in AP Chemistry. The course provides structured support for success in the AP environment. The teacher provides direct instruction in areas of reading and writing in the content area with time for guided and independent practice. This course is designed to help increase a student's success in the Advanced Placement program.

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

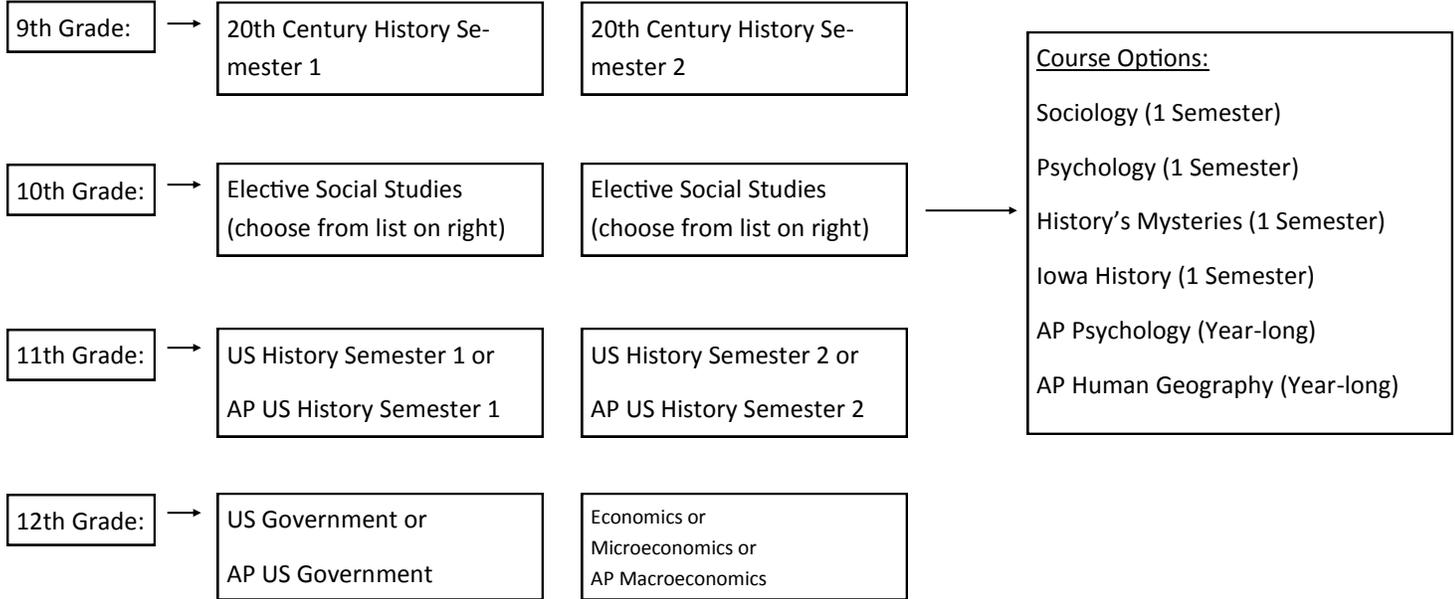
(Year-long course) 1.0 Credit

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 (2.0 History, 0.5 Government, 0.5 Economics)



20th Century Contemporary History

NCAA SOC111,112



Prerequisite: None
Grades: 09
(Year-long course) 1.0 Credit
Credit type: History

This unique 20th Century History course is a change not only in what we teach, but in how we teach history. This course is a focused study of the 20th Century for all ninth-graders. 20th Century History focuses on key issues, events and people of the 20th Century and helps students build the connections into between past events and modern society. In no way will this course simply be a chronological march through time, but instead an in-depth look at historical themes from a global perspective. The 20th Century History course provides students with an opportunity to develop skills such as, but not limited to, interpreting primary sources, developing academic vocabulary related to topics and eras studied, making connections between history and geography, establishing an historical context for topics, people and events studied by organizing information gathered from secondary sources, connecting historical topics, people and events to the present day, and extending their learning through additional resources provided by instructor.

AP United States History

NCAA 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

United States History

NCAA SOC201,202



Prerequisite: None
Grades: 11-12
(Year-long course) 1.0 Credit
Credit type: US History s1 & s2

The United States History course provides students with the analytical skills and factual knowledge to deal critically with the problems and materials in our nation's history. Instructional units invite students to travel from the events leading to the Revolutionary War through the present day. Students learn to assess historical materials – their relevance to a given problem, reliability, and importance – and to weigh the evidence and interpretations presented in historical scholarship. Students will also develop the skills to present reasons and evidence clearly and persuasively in writing.

Economics

NCAA SOC403



Prerequisite: None
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 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, investors, 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. 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.

United States Government

NCAA SOC405



Prerequisite: None

Grades: 12

(Semester course) 0.5 Credit

Credit type: Government

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 iteratively 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 policymaking institutions.

AP United States Government

NCAA 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

AP Macroeconomics

NCAA 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

Psychology

NCAA SOC205

Prerequisite: 1.0 credits of history

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.

Sociology

NCAA SOC209

Prerequisite: None

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.

History's Mysteries

SOC121

Prerequisite: None

Grades: 11-12

(Semester course) 0.5 Credit

Credit type: History

The purpose of History's Mysteries is to provide a strong foundation in world history. This course will develop a greater understanding of how different groups of people, including nomadic and settled, dealt with the challenges they faced. The course will focus on the political, economic, religious, social and cultural institutions that formed as a result of these challenges. An addition purpose of the course is to develop the skills of studying, document analysis, discussion, critical thinking and writing.

Iowa History

SOC211

Prerequisite: None

Grades: 10-12

(Semester course) 0.5 Credit

Credit type: History

Iowa History is a semester elective in Social Studies in which students build historical thinking skills and think critically about issues in Iowa – both past and present. Iowa History examines the history, politics, economics, society, and cultures of our state in the United States. Students will learn about our geography and early history, political, social, and economic change over time in Iowa, and issues in education, state government, business, and agriculture. There will be curriculum connections to our local and state community through guest speakers and field experiences.

AP Human Geography

NCAA SOC519,520

Prerequisite: 20th Century Contemporary History

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

AP Psychology

NCAA SOC513,514

Prerequisite: 2.0 credits of history

Grades: 11-12

(Year-long course) 1.0 Credit

Credit type: Elective

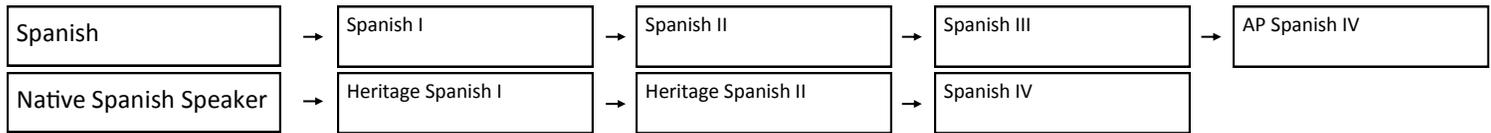
This year-long college-level course covers in depth all topics in introductory psychology. The course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the facts, principles, and phenomena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



World Language



Pathways of Study:



Spanish I

NCAA WL111,112

Prerequisite: None

Grades: 09-12

(Year-long course) 1.0 Credit

Credit type: Elective

Students in the first year of Spanish are introduced to the culture and geography of the Spanish-speaking world. Much effort is spent on comprehending and speaking Spanish. Proof of comprehension is based on ability to say and/or write what is required. Correct usage is taught orally through repetition, pattern drills, and questions. Corresponding written exercises emphasize correct usage.

Spanish II

NCAA WL211,212

Prerequisite: Spanish I

Grades: 10-12

(Year-long course) 1.0 Credit

Credit type: Elective

This course continues the same basic format as Spanish I; however, grammatical concepts and vocabulary become more complex and numerous. In Spanish II students become familiar with approximately 700 vocabulary words consisting of the following themes: food, airport vocabulary, body parts, clothing, store vocabulary, items in a school, items in the home, etc. Grammar includes the present tense, two forms of the past tense, and the near future tense.

Spanish III

NCAA WL311,312

Prerequisite: Spanish II

Grades: 11-12

(Year-long course) 1.0 Credit

Credit type: Elective

Spanish III reinforces and extends previously learned skills. Activities will provide a review and expansion of grammar usage, listening, speaking, reading, writing, and cultural awareness. Communicative skills are strengthened through practice and applications.

AP Spanish IV

NCAA WL515,516

Prerequisite: Spanish III

Grades: 11-12

(Year-long course) 1.0 Credit

Credit type: Elective

AP Spanish presents an in-depth review of grammatical structures. Communicative skills are expanded to include analysis, synthesis, and elaborate opinions. Appreciation of, awareness of, and respect for Hispanic cultures are expanded through multiple genres. Self-motivation is necessary as this course is college preparatory and challenging. The course prepares students to demonstrate their level of Spanish proficiency across three communication modes: Interpersonal, Interpretive, and Presentational. Communicative skills are expanded to include analysis, synthesis and elaborate opinions. Appreciation of, awareness of, and respect for Hispanic cultures are expanded through multiple genres. Intrinsic motivation is necessary as this course is college preparatory and challenging

Native Spanish Speakers:

Heritage Spanish I

NCAA WL213,214

Prerequisite: None (Native Spanish Speaker)

Grades: 9-12

(Year-long course) 1.0 Credit

Credit type: Elective

This course is intended for native speakers of Spanish. The focus is to introduce students to grammatical structures of their first language with an emphasis on spelling, accent use, vocabulary and written Spanish versus spoken Spanish. Cultural topics of the Spanish-speaking world will be integrated via reading, writing, listening and speaking activities.

Heritage Spanish II

NCAA WL317,318

Prerequisite: Heritage Spanish I

Grades: 10-12

(Year-long course) 1.0 Credit

Credit type: Elective

Spanish for Heritage Learners II is a course tailored to meet the needs of students who have had exposure to Spanish in the home/community and who need to advance their Spanish skills in different ways than students who are learning Spanish as a second language. The Spanish for Heritage Speakers class will provide Spanish-speaking students the opportunity to take their unique prior knowledge of Spanish and further explore fluency and bilingualism. The class will explore big ideas/issues related to Spanish speaking students by reading, writing, listening and speaking the Spanish language. Students will also be encouraged to feel pride in their abilities to speak Spanish and will explore ways they can use their bilingual skills in the future.

Other World Language Opportunities:

World language courses are available at Central Academy in the following languages. See your counselor if you are interested in taking any of these courses.

- Arabic
- Chinese
- French
- German
- Italian
- Japanese

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.

Ambassadors

MIS327,328

Prerequisite: Application

Grades: 10-12

(Semester or Year-long course) 0.5 Credit per semester

Credit type: Elective

Ambassadors is a service learning opportunity. Students participate in volunteer projects at Lincoln High School and in the community. An application will need to be completed to finish enrollment into this course. This application will be available during the course selection process.

iJAG I-II

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

Prerequisite: None

Grades: 11-12

(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.

AVID Student Tutor

MIS259,260

Prerequisite: AVID II, concurrent enrollment in Dual Credit or AP course

Grades: 11-12

(Year-long course) .25 credits/semester

Credit type: Elective

AVID tutors will work within the AVID elective class as facilitators for student study groups. Tutors will be responsible for note-taking, group facilitation and questioning during the tutorial session. Student will be trained by district staff in AVID methodologies and tutorial strategies, and should have a solid foundation in science, math and writing. One 1/2 day training session will be required of all student tutors.

AVID 9

MIS161,162

Prerequisite: application/program acceptance

Grades: 09

(Year-long course) 1.0 Credit

Credit type: Elective



AVID, Advancement Via Individual Determination, 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 AVID program through: binder and time organization techniques, tutorials, the Cornell way of taking notes, beginning college and career exploration, and on-site college visits.

AVID 10

MIS261,262

Prerequisite: AVID 9 or application/program acceptance

Grades: 10

(Year-long course) 1.0 Credit

Credit type: Elective



AVID, Advancement Via Individual Determination, 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 AVID 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.

AVID 11

MIS361,362

Prerequisite: AVID 10 or application/program acceptance

Grades: 11

(Year-long course) 1.0 Credit

Credit type: Elective



AVID, Advancement Via Individual Determination, 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 AVID 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 postsecondary career representatives during the elective class.

AVID 12

MIS461,462

Prerequisite: AVID 11 or application/program acceptance

Grades: 12

(Year-long course) 1.0 Credit

Credit type: Elective



AVID, Advancement Via Individual Determination, 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 AVID 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 concurrent enrollment in an English class

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 SCI Foundations

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 English II

LA931,932

(Year-long course) 1.0 Credit

This is an ELL Sheltered English course. 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.

ELL Math Courses:

ELL Math I: MTH921,922

ELL Math II: MTH923,924

ELL Math III: MTH925,926

ELL Algebra I: MTH943,944

ELL Science Courses:

ELL Science II: SCI941,942

ELL Earth Science: SCI921,922

ELL Biology: SCI925,926

ELL Environmental Science: SCI927,928

ELL Social Studies Courses:

ELL 20th Century History: SOC943,944

ELL US History: SOC931,932

ELL Government: SOC935

ELL Economics: SOC937

Special Education Courses

SPED Core and Parallel Curriculum Classes:

The content of the following courses is aligned to the content of the general education classes of the same name. Modifications are made to the curriculum, environment and delivery of instruction. Placement in these courses is made by the consultant and individual case managers, with these students and their parents/guardians, to assure correct placement based upon needs documented in the IEP.

English I: LA1030, LA1040

English II: LA2050, LA2060

English III: LA3050, LA3060

English IV: LA4030, LA4040

Power English: LA1210, LA1220

20th Century History: SOC1110, SOC1120

US History : SOC2010, SOC2020

Government: SOC4050

Economics: SOC4030

Earth Science: SCI2070, SCI2080

Environmental Science: SCI2010, SCI2020

Biology: SCI2030, SCI2040

Integrated Math 9-12: MTH9513,9523

Algebra Transitions I: MTH9715,9725

Algebra Transitions II: MTH9735,9745

Algebra I 2-year (first year): MTH9075,9085

Algebra I 2-year (second year): MTH9095,9105

Geometry: MTH2110, MTH2120

Algebra/Geometry Foundations: MTH9185,9195

Power Algebra: MTH1210,1220

Lrng Tran Math: MIS9885,9925

Transitions Lrng Enhancement

MIS903,904

Prerequisite: Approval of the mental health support team

Grade: 09-12

(Year-long course) 1.0 Credit

Students who have met the requirements for support in the mental health classroom are eligible to take this course. This course provides an environment where students with mental health issues are given the instruction and support to acquire 21st century problem solving skills.

Career Transitions

MIS9075,9085

Prerequisite: Special Education student with an I.E.P.

Grade: 09-12

(Semester course) 0.5 Credit



A course designed for self-contained students in the areas of academics and/or behavior. This course will progress monitor success in the skill areas documented on the students IEP. Specially designed instruction will be provided.

Social Skills

MIS943,944

Prerequisite: Special Education student with an I.E.P.

Grade: 09-12

(Year-long course) 1.0 Credit



This course is a repeatable course that is highly recommended for students with a behavior goal on their IEP. This course is designed to teach social, problem-solving and coping skills.

Adult Living Transitions 1-4

MIS9555,9565,9575,9585

Prerequisite: Special Education student with an I.E.P.

Grade: 09-12

(Semester course) 0.5 Credit



This is a repeatable course. The major components of this special education class include: Consumer Awareness, Everyday Life Skills, Café operation, Social and Leisure Skills Exploration and Skills for Independent Living.

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 at this link: <https://fs8.formsite.com/DMPSchools/form580/index.html>. For a request to be considered, students must meet the prerequisites for the program, complete the online request form, and select the form on their Lincoln course request sheet. All necessary applications and questionnaires for each program will be included on the online request form.

Students must complete all of the items mentioned above and attend any required orientations in order to be considered for a Central Campus course.

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>Request #</u>	<u>Requirements and Pre-Requisites</u>	<u>Grades</u>
World Language: Arabic	PEND40	A's/B's in English	9-12
World Language: Chinese	PEND41	A's/B's in English; Proficiency on Iowa Assessment in all 3 test subjects	9-12
World Language: French	PEND42	A's/B's in English	9-12
World Language: German	PEND43	A's/B's in English; Proficiency on Iowa Assessment in all 3 test subjects	9-12
World Language: Italian	PEND44	A's/B's in English; Proficiency on Iowa Assessment in all 3 test subjects	9-12
World Language: Japanese	PEND45	A's/B's in English; Proficiency on Iowa Assessment in all 3 test subjects	9-12
Intro to Art History	PEND50	None	9-12
Intermediate Art History	TBD	None	9-12
AP Art History	PEND51	None (Intro or Intermediate Art History recommended)	10-12
Beginning Throwing	PEND52	None (background in Art recommended)	9-12

Central Campus

<u>Central Campus Class</u>	<u># of Blocks</u>	<u>Request #</u>	<u>Requirements and Pre-Requisites</u>	<u>Grades</u>
Agriculture and Environmental Sciences				
Animal Science & Horticulture I	4	MIS0058		10-12
Animal Science & Horticulture II: Landscaping	2	MIS0062	Animal Science & Horticulture I recommended	11-12
Animal Science & Horticulture II: Advanced Technology in Agri-business	2	MIS0059	Animal Science & Horticulture I recommended	11-12
Animal Science & Horticulture II: Horticulture/Environmental Science	2	MIS0061	Animal Science & Horticulture I recommended	11-12
Animal Science & Horticulture II: Vet Careers	2	MIS0060	Animal Science & Horticulture I recommended	11-12
Aquarium Science	2	MIS0065	2.5 GPA or higher	10-12
Iowa Energy & Sustainability	2	Yr 1: MIS0009 Yr 2: MIS0010 Yr 3: MIS0011		9-12
Marine Biology	2	MIS0066	2.5 GPA or higher, C in Geometry or Algebra II, English, & Biology	10-12
Building Technologies				
Construction Trades	2	MIS0028		10-12
Homebuilding	Yr 1: 2 Yr 2: 4	Yr 1: MIS0052 Yr 2: MIS0053	Woodworking course	10-12
Painting & Drywall	Yr 1: 4 Yr 2: 2	Yr 1: MIS0026 Yr 2: MIS0027	Tech Ed course	10-12
Skilled Trades Academy	TBD	TBD		9-12
Welding	4	Yr 1: MIS0091 Yr 2: MIS0092	Tech Ed course	11-12

Central Campus Class	# of Blocks	Request #	Requirements and Pre-Requisites	Grades
Communications/Media				
Broadcasting & Film	1 or 2	Yr 1: MIS0080 Yr 2: MIS0081 Yr 3: MIS0083	C in Speech or English courses	10-12
Commercial Photography	1	Yr 1: MIS0078 Yr 2: MIS0079	2.5 GPA OR B in two of the following: Art, Photography, Multi-media, or related computer course	11-12
Graphic Communication	Yr 1: 1 Yr 2: 2 Yr 3: 1	Yr 1: MIS0055 Yr 2: MIS0056 Yr 3: MIS0057	Two courses in any of the following: Art, Graphic Design, Computer Applications, Journalism, or Tech Ed course	10-12
Education & Leadership				
Army JROTC	1	Yr 1: MIS0085 Yr 2: MIS0086 Yr 3: MIS0087 Yr 4: MIS0088		9-12
Criminal Justice	2	MIS0083		11-12
Early Childhood Careers	4	Yr 1: MIS0036 Yr 2: MIS0037	2.0 GPA or higher; Child Development of Parenting course	11-12
Sports Officiating –Fall	1 (1 sem)	MIS0063		11-12
Sports Officiating—Spring	1 (1 sem)	MIS0064		11-12
Urban Teacher Academy	2	Yr 1: MIS0024 Yr 2: MIS0025	2.5 GPA or higher	11-12
Urban Leadership	1	Yr 1: MIS0040 Yr 2: MIS0041		9-12
Engineering				
Computer Aided Drafting & Design	2	MIS0018	Drafting course	10-12
Engineering, Electronics & Robotics & PLTW: Digital Electronics	2	MIS0045	C in Algebra I; PLTW course (Intro and Principles of Engineering)	10-12
PLTW: Civil Engineering & Architecture	2	MIS0068	PLTW course (Intro and Principles of Engineering)	11-12
PLTW: Computer Science Principles	1	MIS0039	PLTW course (Intro and Principles of Engineering)	10-12
PLTW Capstone: Engineering Design & Development	1	MIS0048	PLTW course (Intro and Principles of Engineering); Seniors only	12
Family & Consumer Sciences				
Culinary Arts & Restaurant Management	Yr 1: 3 Yr 2: 4 Yr 3: 4	Yr 1: MIS0031 Yr 2: MIS0032 Yr 3: MIS0033	2.0 GPA or higher; Foods course	10-12
Fashion Design & Merchandising	Yr 1: 3 Yr 2: 4	Yr 1: MIS0043 Yr 2: MIS0044	B in Sewing or Fashion Runway course	11-12
Health Sciences				
Advanced Nurse Aid	2	MIS0071	2.5 GPA or higher, 95% Attendance	11-12
Career Opportunities in Health (COH)	4	MIS0023	2.5 GPA or higher	11-12
College Anatomy & Physiology	2	MIS0077	Biology; co-requisite of Chemistry	11-12
College Genetics & Microbiology	2	MIS0075	Biology; co-requisite of Chemistry	11-12
Health Science Specialists & Human Bio	4	MIS0072	2.5 GPA or higher; 95% Attendance	11-12
Nurse Aid—75 hour	2 (1 sem)	MIS0070	2.0 GPA or higher; 95% Attendance	11-12
Technology & Systems Integration				
Cybersecurity	2	MIS0029	B or higher in Computer Applications course	10-12
Mobile Applications	1	MIS0066		10-12
Software Design & Gaming	1	MIS0035	Experience with programming language recommended	10-12
Transportation				
Aviation	4	Yr 1: MIS0049 Yr 2: MIS0050 Yr 3: MIS0051	Tech Ed course	10-12
Automotive Collision Repair	Yr 1: 2 Yr 2: 4	Yr 1: MIS0012 Yr 2: MIS0013	Tech Ed course	11-12
Automotive Technology	4	Yr 1: MIS0014 Yr 2: MIS0015	Tech Ed course	11-12
Intro to Auto Fundamentals	1 (1 sem)	MIS0038	Tech Ed course	10
Intro to Pilot Training	2	Yr 1: MIS0016 Yr 2: MIS0017	Tech Ed course	10-12

