
INTRODUCTION

This listing of course offerings is intended to aid students in planning for their 2007-2008 courses.

This year's course offering book has been designed to show you all of the opportunities offered to you as a student at Collins-Maxwell. The course you select for next year should be chosen after you have examined all the information given in this booklet, and after you have gathered information from consultations with your parents, teachers, and counselor. Keep in mind that starting with the 2007-2008 school year students will be required to sign up for six academic classes each semester.

More detailed instructions for registration will be given below. It will help if you can register with your mind already made up. **Seniors, especially make sure you have clear in your mind exactly how many credits you need for graduation, what specific classes you need for graduation, and whether you are planning on early graduation.**

You will be aware that your choice of courses may well influence you in later decisions concerning your careers. For the greater majority of students, the courses you choose to take should not be done lightheartedly. The confidence to make the correct decisions for your future will come from your successes in the classroom. Select the courses that best fit you as a person. Don't take a course just because a friend is taking it. That is not a good reason for you to take a course. What you take will have an enormous impact on the way you feel about yourself, your preparation for future training and/or employment opportunities as well as your school experiences throughout the year. Choose with careful thought and research.

Students who plan to go on to play athletics at the Division I or II level need to pay special attention to the NCAA Core Courses in order to be eligible for competition, practice, and financial aid.

To assist you with your planning please turn to the next page and review the information regarding career planning and course selection. For additional information on any of the career pathways, please contact Mrs. Allen for recommended courses within the pathways.

Kevin Williams, HS Principal

INSTRUCTIONS

- ~~✍~~ Study the entire guide with your parents.
- ~~✍~~ Use the Kuder sample education plans and the appropriate blank planning sheet to map out what you plan to take each year of high school and double check to make sure you are taking all of the required courses.
- ~~✍~~ If too few students sign up for a particular course, it may be dropped.
- ~~✍~~ If you sign up for a course that is dropped, you will be notified and will be given the opportunity to take another course.
- ~~✍~~ All students are required to take **6 classes plus P.E.** Unless excused by a medical certificate, P.E. is required for all students. (Band and vocal are not counted as one of the six required classes).
- ~~✍~~ **Students are responsible for seeing that they sign up for the required courses each year. Students are also responsible for signing up for required courses that they have failed and must retake.**

Enrollment

Students are encouraged to maximize the productivity of their time during the school day. Students are required to enroll in a minimum of six (6) academic classes each semester. Students are allowed only one daily study hall. Schedule changes can be made prior to the start of the second week of the semester. After that time, changes are made only if the change is deemed necessary by one of the building principals, counselors, or teachers.

Adding/Dropping Classes

Students may add or drop classes during the first week of the semester. An add/drop form will be required by the counselor's office in order to do so. The add/drop form will include a parent signature, appropriate teachers' signatures, and counselor/principal signature. Students are required to attend their previously scheduled classes until the add/drop form is turned in with all signatures.

Definition of Terms

Academic Subject: A course of study which meets daily for a minimum of one class period or an equivalent time.

Credit: The numerical designation assigned for passing one semester of a course. Most academic subjects receive one credit per semester. Physical education and any class not meeting on a daily basis for the normal amount of time will receive less than one credit per semester.

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

Prerequisite: The requirement which must be met by establishing a successful record and a passing grade for a particular course prior to another course being taken, e.g. Spanish I is a prerequisite for Spanish II. Some prerequisites may be waived at the counselor's discretion.

Required Course: Any course necessary to meet specific requirements set for graduation by the State of Iowa and the Collins-Maxwell Schools' Board of Education.

Dual-Credit Classes

These are courses that students can take and earn both college credit and credit towards high school graduation. There are several different ways to earn dual credit as described below.

SCC: This stands for Story County Consortium. The Story County Consortium is a group of local schools that have teamed up with DMACC to offer high school students a chance to earn college credits while exploring various vocational fields. These classes are located off of the Collins-Maxwell campus in locations such as the new Hunziker Center in Ames, Ames High School, and DMACC in Ankeny. These classes can benefit students headed to the workforce, a two-year college/career program, or a four year college. In order to take these courses, students must be going into 11th or 12th grade and register in the spring with the guidance counselor.

PSEO: This stands for Post-Secondary Enrollment Options Act, which is an agreement between local colleges and high schools that high school students can take introductory level courses offered through the college. These courses are offered in various formats such as online, CD-ROM, ICN, and on-campus. Students may take two PSEO courses per semester at no charge to the student or parents. Any additional classes would be paid for by the student or parents. In order to take these courses, students must meet the following requirements:

- ?? 11th or 12th graders as well as TAG 9th and 10th graders can take these courses
- ?? Students must have a cumulative GPA of 2.0 or higher
- ?? A recommendation form filled out by a teacher in the department of the PSEO course you're interested in taking
- ?? Approval by the principal and counselor
- ?? Students who receive an F in the PSEO course will be responsible for reimbursing the school district for the costs.

Non-PSEO: There are college courses available through the University of Iowa, Brigham Young University, and other higher education institutions that students can take at Collins-Maxwell. However, the tuition for these courses needs to be paid by the student or parents. These courses need not be approved by the school, but the counselor can assist you in identifying these courses and enrolling you.

AP: This stands for Advanced Placement. These courses are offered through the Belin-Blank Center at the University of Iowa. These courses are designed for students headed straight to a four-year college. AP courses are taught online. Students are challenged to perform at the college level. These courses are great to prepare students for the rigor they will face in college. Although students will receive high school credit for this course, college credit is only granted after a satisfactory score is achieved on the AP exam. The exam is usually given in the spring at the high school. If a student decides to take the test, there is a fee that the student/parents will be responsible for. In order to take these courses, students must meet the same requirements as for PSEO courses.

Graduation Requirements for Class of 2008

42 Credits Required

English: (7 Credits)

English 9	2 Credits
English 10	2 Credits
English 11	2 Credits
Choice of:	
Applied Communications	1 Credit
College Prep	2 Credits

Mathematics: (4 Credits)

Freshmen must take one course of the following:

Math in Context	2 Credits
Basic Algebra	2 Credits
Algebra I	2 Credits
Geometry	2 Credits

The other two credits can come from any math course(s).

Social Studies: (6 Credits)

World History (9 th Grade)	2 Credits
American History (11 th Grade)	2 Credits
Economics (12 th Grade)	1 Credit
Government (12 th Grade)	1 Credit

Science: (4 Credits)

Physical Science (9 th Grade)	2 Credits
One additional year of a science course	2 Credits

Health: (1 Credit)

Health (9 th Grade)	1 Credit
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Technology: (2 Credits)

Computer Applications I (9 th Grade)	1 Credit
Computer Applications II (10 th Grade)	1 Credit

Portfolio:

All students must complete a comprehensive portfolio demonstrating and exhibiting how they have achieved the Collins-Maxwell Student Learning Goals. They must also present their portfolio to a committee comprised of an administrator, teacher, community member, and school board member.

Graduation Requirements for Class of 2009

44 Credits Required

English: (7 Credits)

English 9	2 Credits
English 10	2 Credits
English 11	2 Credits
Choice of:	
Applied Communications	1 Credit
College Prep	2 Credits

Mathematics: (4 Credits)

Freshmen must take one course of the following:

Math in Context	2 Credits
Basic Algebra	2 Credits
Algebra I	2 Credits
Geometry	2 Credits

The other two credits can come from any math course(s).

Social Studies: (6 Credits)

World History (9 th Grade)	2 Credits
American History (11 th Grade)	2 Credits
Economics (12 th Grade)	1 Credit
Government (12 th Grade)	1 Credit

Science: (4 Credits)

Physical Science (9 th Grade)	2 Credits
One additional year of a science course	2 Credits

Health: (1 Credit)

Health (9 th Grade)	1 Credit
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Technology: (2 Credits)

Computer Applications I (9 th Grade)	1 Credit
Computer Applications II (10 th Grade)	1 Credit

Portfolio:

All students must complete a comprehensive portfolio demonstrating and exhibiting how they have achieved the Collins-Maxwell Student Learning Goals. They must also present their portfolio to a committee comprised of an administrator, teacher, community member, and school board member.

Graduation Requirements for Class of 2010

46 Credits Required

English: (8 Credits)

English 9	2 Credits
English 10	2 Credits
English 11	2 Credits
Choice of:	
Applied Communications	1 Credit
College Prep	2 Credits

Mathematics: (6 Credits)

Freshmen must take one course of the following:

Math in Context	2 Credits
Basic Algebra	2 Credits
Algebra I	2 Credits
Geometry	2 Credits

The other four credits can come from any math course(s).

Social Studies: (6 Credits)

World History (9 th or 10 th Grade)	2 Credits
American History (11 th Grade)	2 Credits
Economics (12 th Grade)	1 Credit
Government (12 th Grade)	1 Credit

Science: (6 Credits)

Physical Science (9 th Grade)	2 Credits
Biology (10 th or 11 th Grade)	2 Credits
One additional year of a science course	2 Credits

Health: (1 Credit)

Health (9 th Grade)	1 Credit
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Technology: (2 Credits)

Computer Applications I (9 th Grade)	1 Credit
Computer Applications II (10 th Grade)	1 Credit

Portfolio:

All students must complete a comprehensive portfolio demonstrating and exhibiting how they have achieved the Collins-Maxwell Student Learning Goals. They must also present their portfolio to a committee comprised of an administrator, teacher, community member, and school board member.

Graduation Requirements for Class of 2011

46 Credits Required

English: (8 Credits)

English 9	2 Credits
English 10	2 Credits
English 11	2 Credits
Choice of:	
Applied Communications	1 Credit
College Prep	2 Credits

Mathematics: (6 Credits)

Freshmen must take one course of the following:

Math in Context	2 Credits
Basic Algebra	2 Credits
Algebra I	2 Credits
Geometry	2 Credits

The other two credits can come from any math course(s).

Social Studies: (6 Credits)

World History (9 th or 10 th Grade)	2 Credits
American History (11 th Grade)	2 Credits
Economics (12 th Grade)	1 Credit
Government (12 th Grade)	1 Credit

Science: (6 Credits)

Physical Science (9 th Grade)	2 Credits
One additional year of a science course	2 Credits

Health: (1 Credit)

Health (9 th Grade)	1 Credit
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Technology: (2 Credits)

Computer Applications I (9 th Grade)	1 Credit
Computer Applications II (10 th Grade)	1 Credit

Portfolio:

All students must complete a comprehensive portfolio demonstrating and exhibiting how they have achieved the Collins-Maxwell Student Learning Goals. They must also present their portfolio to a committee comprised of an administrator, teacher, community member, and school board member.

Collins-Maxwell Grading Scale

Grading Scale For	
Freshmen, Sophomores, Juniors and Seniors	
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D+	1.3
D	1.0
D-	0.7
F	0.0

Calculating Grade Point Averages (GPA)

Band, Vocal, Driver's Education, and Physical Education do not count towards a student's grade point average.

Formula to Calculate Grade Points: ?

Credit x Grade Value of Appropriate Scale = Grade Points

GRADE POINTS EXAMPLE				
Course Name	Credit	Grade	Grade Value	Grade Points
English Survey	.5	B+	3.3	1.65
Social Studies 9	.5	B	3.0	1.50
Business Foundations	.5	A-	3.7	1.85
Algebra I	.5	C+	2.3	1.15
Spanish II	.5	A	4.0	2.00
Biology	.5	C-	1.7	0.85
TOTAL	3.25			9.675

Formula to Calculate GPA: ? Total Grade Points ÷ Total Credits = GPA

GPA EXAMPLE				
9.675 (Total Grade Points) ÷ 3.25 (Total Credits) = 2.9769 (GPA)				

Language Arts Course Numbers

Class	Semester 1	Semester 2	Year/Sem. Credits	Available
English 9*	1	1	Year 2	9
English 10*	2	2	Year 2	10
English 11*	3	3	Year 2	11
Applied Communications [?]	4	NA	Semester 1	12
College Prep [?]	5	5	Year 2	12
Creative Writing	NA	12	Semester 1	11-12
Yearbook	152	152	Year 2	10-12
AP English Language, Literature, and Composition	153	153	Year 2	11-12
PSEO Humanities	270	270	Semester 1	11-12
PSEO Intro to Literature	271	271	Semester 1	12
PSEO American Literature	272	272	Semester 1	12
PSEO American Poetry	273	273	Semester 1	11-12
PSEO Minority Voices In the US	274	274	Semester 1	11-12
PSEO Science Fiction	275	275	Semester 1	11-12
PSEO Nature of Evil In Literature	276	276	Semester 1	11-12
PSEO Children's Lit.	278	278	Semester 1	11-12
PSEO Composition I	279	279	Semester 1	11-12
PSEO Composition II	280	280	Semester 1	11-12
PSEO Creative Writing (Non-fiction)	281	281	Semester 1	11-12
PSEO Fiction Writing	282	282	Semester 1	11-12
PSEO Intro. To Journalism	283	283	Semester	11-12

PSEO Intro. To Broad- Casting	284	284	1 Semester	11-12
PSEO Intro. To Mass Communication	300	300	1 Semester	11-12
PSEO Speech	69	69	1 Semester	11-12
PSEO Interpersonal Communication	73	73	1 Semester	11-12
PSEO Communication Skills	285	285	1 Semester	11-12

*These courses are required for graduation.

? You must take either Applied Communications or College Prep in order to complete the portfolio requirement of graduation.

? English 9

Grade: 9

Prerequisite: None

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: Yes

Course Description

The course work in English 9 includes work in composition, grammar, editing, vocabulary, study skills, and goal setting. The literature consists of short stories, mythology, novels, and poetry. Major works read are Shakespeare's *Romeo and Juliet*, and the novels *Lord of the Flies* and *To Kill a Mockingbird*.

? English 10

Grade: 10

Prerequisite: English 9

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: Yes

Course Description

This course provides practice in basic communication skills with an emphasis on expository writing. Units include grammar, speech, miscellaneous paper writing styles, and literature. Literature will include short stories, African-American Literature, Women's Literature, and several longer works, including *Animal Farm*, *The Pearl*, and *Julius Caesar*.

? English 11

Grade: 11

Prerequisite: English 10

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: Yes

Course Description

This course provides a chronological approach to American literature with an emphasis on composition. Works read include historical non-fiction, short stories, poetry, and the novels *The Scarlet Letter*, *Huckleberry Finn*, and *Of Mice and Men*. Additional coursework includes vocabulary, writing skills, grammar, editing, and speech. Students also continue to work toward completion of their portfolios.

? Applied Communication

Grade: 12

Prerequisite: English 11

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall

Required: This or College Prep

Course Description

This course is designed for the student who will soon enter the work force, attend vocational school, or a two-year college. Writing and editing skills are emphasized. Students also complete work in business communications, the skills required to obtain a job, and resume writing. Students complete a job shadow experience during this course and also complete their portfolios.

? Creative Writing

Grade: 11-12

Prerequisite: None

NCAA Clearinghouse: Approved

Credit: 1

Semester: Spring

Required: No

Course Description

This course allows students to experience a wide variety of writing styles and formats. Students read and write short stories, poetry and other types of writing in a project format. Selected writings are compiled into a course publication at the end of the semester.

? College Prep English

Grade: 12

Prerequisite: English 11

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: This or Applied
Communication

Course Description

Those planning to attend a four year college or university should take this course which emphasizes composition and literary analysis. Students write essays geared to preparing them for college level writing. Reading are taken from Greek mythology, Greek tragedy and Anglo-Saxon, Medieval, and Renaissance English literature including Shakespeare's Hamlet. The second semester is a continuation of the communications skills studies the first semester with an emphasis on literary interpretation and analysis and on writing skills. Reading includes further studies in British Literature. Novels covered are *Catcher in the Rye*, *Brave New World*, and *The Great Gatsby*. Students also complete their portfolios.

? Yearbook

Grade: 10-12

Prerequisite: Instructor Approval

NCAA Clearinghouse: Not Approved

Credit: 2

Semester: Year

Required: No

Course Description

Students will develop, create, and produce the yearbook. Students will apply technical writing skills, newspaper writing techniques, and learn the basic concepts of layout and design, copy writing, caption writing, headline writing as well as the organization skills needed to bring all these together into a final product. Students will use desk-top publishing on the PC computers to produce yearbook pages. They will shoot many of their own pictures. Students will be responsible for selling all advertising for the yearbook, as well as the book itself.

? AP English Language and Composition

Grade: 11-12

Prerequisite: English 10

College: U of Iowa

Credit: 2

Semester: Year

Required: No

Course Description

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. This course can be used in place of English 11.

? AP English Literature and Composition

Grade: 11-12

Prerequisite: English 10

College: U of Iowa

Credit: 2

Semester: Year

Required: No

Course Description

An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students 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. This course can be used in place of College Prep English.

? PSEO Humanities

Grade: 11-12
Prerequisite: English 10
College: Online IHCC

Credit: 1
Semester: As Available
Required: No

Course Description

This course examines the dynamics of human conflict from selected historical, cultural, and literary sources. The specific content may vary from year to year to accommodate a variety of topics focusing on human conflict.

? PSEO Introduction to Literature

Grade: 12
Prerequisite: English 11
College: Online; Most community colleges

Credit: 1
Semester: As Available
Required: No

Course Description

This course surveys the basic literary genres. Emphasis is on analysis of fiction, poetry, and drama. The student will be expected to read and think critically about literature and to be familiar with basic literary terminology.

? PSEO Nature of Evil in Literature

Grade: 12
Prerequisite: English 11
College: Iowa CC Online

Credit: 1
Semester: As Available
Required: No

Course Description

Literature 262, The Nature of Evil, is a theme course investigating literature designed to scare readers, and show what is considered "evil," or at least very bad, from Beowulf to The Exorcist. We'll analyze how authors intend to show us evil as well as critique their success.

? PSEO American Poetry

Grade: 11-12
Prerequisite: PSEO Intro. To Literature
College: Iowa CC Online

Credit: 1
Semester: As Available
Required: No

Course Description

American Poetry, formerly labeled Modern American Poetry, is a three-credit course that focuses on the works, lives and times of 20th- and 21st-century American poets. The student will demonstrate critical thinking skills when discussing and writing on 20th- and 21st-century works of American poetry viewed in their, social, political and cultural contexts. In addition to these relationships, students will examine the characteristic linguistic structures and rhetorical techniques used by American poets and articulate how those elements of style promote the poet's major themes. Students will also be expected to write intelligently and analytically about American literature and read criticism with responsive understanding. Students will also be expected to include basic research and documentation skills.

? PSEO Science Fiction

Grade: 11-12
Prerequisite: English 10
College: Online DMACC

Credit: 1
Semester: As Available
Required: No

Course Description

A survey of speculative fiction from Frankenstein to literature of the 20th Century. Examines major influential works in their literacy, social and cultural contexts. Critical analysis is emphasized.

? PSEO Children's Literature

Grade: 11-12
Prerequisite: English 10
College: Online DMACC

Credit: 1
Semester: As Available
Required: No

Course Description

This course includes a study of the history of children's literature, the place of literature in the lives of children, authors and illustrators, storytelling and trends. It also surveys children's books and evaluates both books and illustrations in terms of criteria for good literature.

? PSEO American Literature

Grade: 12
Prerequisite: English 11
College: Iowa CC Online

Credit: 1
Semester: As Available
Required: No

Course Description

This course emphasizes the vast spectrum of authors writing in different genres by focusing on a particular theme in American literature. An intensive study of a few authors will be used to represent the full spectrum. Students will be expected to read and respond to the literature through both discussion and written work.

? PSEO Minority Voices in US Literature

Grade: 11-12
Prerequisite: None
College: Online MCC

Credit: 1
Semester: As Available
Required: No

Course Description

A survey of the literature of African-Americans, Hispanic-Americans, Native Americans, and Asian-Americans. Special attention is also given to women authors.

? PSEO Composition I

Grade: 11-12
Prerequisite: English 10
College: Online; Most community colleges

Credit: 1
Semester: Fall or Spring
Required: No

Course Description

This course emphasizes competent writing skills, focusing primarily on expository and analytical writing. Particular attention is given to rhetorical modes and to the analysis of social issues and/or literary works. Students will write four to six 500-1000 word essays. Instruction also includes clarity, punctuation, and style. It is designed to help students read and write effectively. Exploration of the relationship of audience to writer and material. Emphasis on developing concrete detail to support main ideas. PREREQUISITE: Satisfactory writing skills.

? PSEO Composition II

Grade: 11-12
Prerequisite: PSEO Comp. I
College: Most community colleges

Credit: 1
Semester: Fall or Spring
Required: No

Course Description

This course introduces the student to the process of research writing using the Modern Language Association documentation style. A thesis-driven report paper and a thesis-driven argumentative essay, both documented in MLA style, will demonstrate the student's proficiency with the research process. Expository and persuasive writing developed through critical reading. The course explores structure, style, research and documentation.

? PSEO Creative Writing (Non-fiction)

Grade: 11-12
Prerequisite: English 10
College: Iowa CC Online

Credit: 1
Semester: As Available
Required: No

Course Description

You will explore boundaries of non-fiction and fiction writing with the intent of being published. This will be done through careful observation of factual detail and determined reflection on the part of the student. In exploring expository writing, you will study the styles of some of our country's best known expository writers. Your overall goal is to discover your own writing voice, your own style. You will take a look at both your strong and weak points. You should consider playing to your strong points and adding to them by improving upon your identified weak points. Realize, they are only weaker because they have not been developed.

? PSEO Speech

Grade: 11-12
Prerequisite: English 10
College: Online; IHCC

Credit: 1
Semester: As Available
Required: No

Course Description

This course prepares the student for a variety of speaking situations, both formal and informal. The student will prepare and deliver 5 to 7 speeches using a variety of preparation and delivery strategies. The student will learn how to incorporate research and professional presentational aids into a speech.

? PSEO Interpersonal Communication

Grade: 11-12
Prerequisite: None
College: Online HCC

Credit: 1
Semester: As Available
Required: No

Course Description

Interpersonal Communication explores concepts, contexts, and processes of person-to-person communication in relationships. Emphasis is placed on understanding how social worlds are created through conversation.

? PSEO Introduction to Journalism

Grade: 11-12
Prerequisite: None
College: Online HCC

Credit: 1
Semester: As Available
Required: No

Course Description

To develop skills in everyday operation of a newspaper, as demonstrated by: Identifying, gathering, and reporting news Learning to write accurate and concise stories that will interest and inform Developing critical analysis, thinking, and writing abilities Enhancing free, responsible, and effective expression of ideas. Critically revising and editing for clarity, conciseness, coherence, and correctness of expression in sentences, paragraphs, and essays.

? PSEO Introduction to Broadcasting

Grade: 11-12
Prerequisite: None
College: Online MCC

Credit: 1
Semester: As Available
Required: No

Course Description

Explore American broadcasting history (technology origins and growth, non-commercial and non-broadcast systems, business aspects, and social control).

? PSEO Introduction to Mass Communication

Grade: 11-12

Prerequisite: None

College: Online DMACC

Credit: 1

Semester: As Available

Required: No

Course Description

An introduction to mass communication in a global market place. Emphasizes print and electronic media, advertising and public relations, ethics and new technology.

? PSEO Communication Skills

Grade: 11-12

Prerequisite: None

College: Taught at Collins-Maxwell for DMACC Credit

Credit: 1

Semester: Spring

Required: No

Course Description

Reading, writing, speaking, and listening are studied as methods of exploring and evaluating technological advances in trades and industry. Adapting communication for different audiences, evaluating industry-related literature, and basic business writing are emphasized.

Mathematics Course Numbers

Class	Semester 1	Semester 2	Year/Sem. Credits	Available
Math in Context	17	17	Year 2	9
Basic Algebra	20	20	Year 2	9-10
Algebra I	22	22	Year 2	8-10
Geometry	23	23	Year 2	9-11
Algebra II	24	24	Year 2	10-12
Trigonometry	25		Semester 1	11-12
PSEO Statistics		323	Semester 1	11-12
PSEO Calculus	27	27	Year 2	12
PSEO Applied Math	324	324	Semester 1	11-12
PSEO Bus/Financial Math	320	320	Semester 1	11-12
PSEO College Algebra	322	322	Semester 1	11-12
AP Calculus AB	325	325	Year 2	12
AP Statistics	326	326	Year 2	11-12

? Math in Context

Grade: 9

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 2

Semester: Year

Required: No

Course Description

This course will prepare students for future algebra and geometry courses by developing understanding through applications and concepts in context, incorporating a rich variety of problem solving experiences, and having students learn through interactive experiences. The course will connect mathematical concepts to real-life applications, provide ongoing opportunities to use critical thinking skills, and integrate algebra and geometry concepts from statistics, probability, and measurement. Topics discussed in the course include: decimals, data analysis, solving equations, ratios, proportions, probabilities, percents, graphing in the plane, powers and roots, measurement, surface area, volume, and an introduction to geometry.

? Basic Algebra

Grade: 9-10

Prerequisite: Math in Context

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: No

Course Description

This course is a continuation of Math in Context and will focus on understanding algebra through real-world applications. The emphasis will continue to be on developing understanding through applications and concepts in context, incorporating a rich variety of problem solving experiences, and having students learn through interactive experiences.

? Algebra I

Grade: 9-10

Prerequisite: Grade of C- or better in Pre-Algebra

Or Math in Context

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: No

Course Description

This course is an introduction to higher mathematics and provides the language for all of mathematics above the level of arithmetic. It is an essential course for those planning to go to college or to enter a technical trade. This course provides excellent training in logical thinking, and there are enough practical applications to make it useful to anyone interested in math.

? Geometry

Grade: 9-11

Prerequisite: Basic Algebra or Algebra I

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: No

Course Description

This course can be used to model real world problem situations. Throughout this course students can explore the relationships among points, lines, and planes in two and three-dimensional space. Geometry allows us to model many facets of our environment, which is a building block for advanced math courses.

? Algebra II

Grade: 10-12

Prerequisite: Geometry

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: No

Course Description

An essential course for anyone planning to enter college or a technical vocation. The course includes an in-depth review and extensions of Algebra I, as well as statistics, probability, and trigonometry. The course will further develop the ability to reason and think logically.

? Trigonometry

Grade: 11-12

Prerequisite: Algebra II

NCAA: Approved

Credit: 1

Semester: Fall

Required: No

Course Description

The course will review and extend ideas about linear, quadratic, exponential, logarithmic, and polynomial functions. It integrates algebraic concepts and previews calculus in work with functions and notions of limits. The trigonometry component would constitute a standard pre-calculus course in trigonometry and circular functions. Virtually all students who expect to go to college should learn the content of this course. For those who are going into sciences, engineering, or computer science, this course provides the beginning of a strong pre-calculus training. It also provides sufficient background for success in a non-proof oriented calculus, such as is often taken by business or social studies majors in college.

PSEO Statistics

Grade: 11-12

Prerequisite: Algebra II

College: DMACC taught by Mr. Luttenegger

Credit: 1

Semester: Spring

Required: No

Course Description

This class is awarded four DMACC credits and will transfer as a math class to most colleges and universities. It covers tabular and graphical presentation, measures of central tendency and variability, standard elementary procedures involving the binomial, normal, student's T, chi-square and F distributions, correlation, regression, analysis of variance and several nonparametric procedures.

? PSEO Calculus

Grade: 12

Prerequisite: Trig/Stats

College: DMACC taught by Mr. Luttenegger

Credit: 2

Semester: Year

Required: No

Course Description

This course covers absolute values, inequalities, functions, limits, continuity, differentiation, definite integral, exponential and logarithmic functions. This course is awarded five DMACC credits upon completion and will transfer to most colleges and universities as a math credit.

? PSEO Applied Math

Grade: 11-12

Prerequisite: Geometry

College: Taught by Mrs. Hartgers for DMACC credit

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

A course in elementary mathematical skills for technicians. Topics covered include fundamental operations with whole numbers, fractions, decimals, and signed numbers; percents; geometric figures and basic constructions; area and volume formulas; English/Metric systems; measurements; and the interpretation of graphs and charts.

? PSEO College Algebra

Grade: 11-12

Prerequisite: Algebra II

College: Most community colleges; ISU

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

This course extends study of algebraic principles. Topics include linear and quadratic equations and inequalities, graphs of relations and functions, exponential and logarithmic functions, systems of equations and inequalities and matrices and determinants. Before enrolling in this course, a student should have a strong background in algebra.

? AP Calculus AB

Grade: 11-12

Prerequisite: Pre-Calculus

College: U of Iowa

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

Students will work with graphical, analytical, numerical, and verbal functions. They will also use derivatives and integrals to solve a variety of problems. Students will learn to communicate solutions to mathematical problems in well-written sentences and also verbally so that they can explain the process to finding solutions in a variety of problems. Students will use technology to help solve problems, interpret results, and verify conclusions.

? AP Stats

Grade: 11-12

Prerequisite: Trig/Prob/Stats

College: U of Iowa

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The main concepts students will cover are: exploring data, sampling and experimentation: planning and conducting a study, anticipating patterns: exploring random phenomena using probability and simulation, and statistical inference: estimating population parameters and testing hypotheses.

Science Course Numbers

Class	Semester 1	Semester 2	Year/Sem. Credits	Available
Physical Science*	80	80	Year 2	9
Biology*	81	81	Year 2	9-10
Environmental Science	274	274	Year 2	11-12
Chemistry	82	82	Year 2	10-11
Anatomy/Physiology	86	86	Year 2	10-12
Physics	83	83	Year 2	10-12
Principles of Tech I	137	137	Year 2	10-12
Principles of Tech II	136	136	Year 2	10-12
PSEO Biology	335	335	Semester 1	11-12
PSEO Biology II	336	336	Semester 1	11-12
PSEO Anatomy	337	337	Semester 1	11-12
PSEO Nutrition	338	338	Semester 1	11-12
PSEO North Star Astronomy	339	339	Semester 1	11-12
PSEO Environmental Biology	340	340	Semester 1	11-12
AP Chemistry	504	504	Year 2	11-12
AP Physics B	505	505	Year 2	11-12

*These courses are required for graduation.

? Physical Science

Grade: 9

Prerequisite: None

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: Yes

Course Description

Covers basic topics in physical science. The first semester is an introduction to chemistry including the structure of matter and reactions of matter. The second semester is an introduction to physics including forces, motion, and energy.

? Biology

Grade: 9-10

Prerequisite: Physical Science with a grade of C or higher

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: Yes

Course Description

This is an in-depth study of cell biology and genetics with a survey of the six kingdoms of life. Labs will be conducted to exercise scientific method and to examine hands-on biological principles.

*ENVIRONMENTAL SCIENCE

GRADE: 11-12

Prerequisite: Physical Science & Biology

NCAA Clearinghouse: Approved

CREDIT: 2

Semester: Year

Required: No

Course Description

The course is designed for students to study the interrelationships between organisms and their physical surroundings, focusing on the effects man has within the world ecosystem. The course provides students with knowledge to evaluate choices that can reduce the negative impact man has made on the environment and optimize worldwide living standards. The course emphasizes the development of scientific principles, which allow students to identify and analyze environmental problems and associated risks. Students also examine solutions that can resolve/prevent ecological problems through critical and creative thinking skills.

? Chemistry

Grade: 10-12

Prerequisite: Biology, Algebra II (or taking simultaneously)

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: No

Course Description

This is a fundamental course that includes the study of atomic theory, the periodic table, chemical bonding, and principles of chemical reactions. A good mathematics background is necessary. Calculators are required and lab goggles are provided. Lab techniques will be studied in depth. Other topics will include oxidation-reduction reactions and a study of the elements in each period of the periodic table.

? Anatomy/Physiology

Grade: 10-12

Prerequisite: Chemistry (or taking simultaneously)

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: No

Course Description

Designed for students planning to attend college and who choose a major such as biology, nursing, or medicine. The foci of this class will be: biologically important molecules, basic cell structure and function, genetics, microbiology, and the study of the systems of the human body.

? Physics

Grade: 11-12

Credit: 2

Prerequisite: Algebra II, Chemistry, Trig/Prob/Stats (or taking simultaneously)

Semester: Year

NCAA Clearinghouse: Approved

Required: No

Course Description

Major concepts of physics will be studied with a strong emphasis on mathematics. The major units include mathematics and measurements, force and motion, energy and transfer, wave theory and optics, electricity and magnetism. Calculators are required. Recommended for students planning to study science or engineering at college.

? Principles of Technology I

Grade: 10-12

Prerequisite: Algebra I or taking simultaneously

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: No

Course Description

This course is designed to introduce students to a world of high tech through the use of video tapes, lectures, math labs, and work station labs. The four categories of mechanics, fluid, electricity, and thermal will be studied throughout the course in a sequence designed to show the students how these areas are utilized in technology today and in the future.

? Principles of Technology II

Grade: 11-12

Prerequisite: Principles of Technology I

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: No

Course Description

This course is a continuation of Principles of Technology I with the study of mechanics, fluid, electricity, and thermal in addition to radiation and laser light.

? PSEO Biology

Grade: 11-12

Prerequisite: Biology or Counselor Approval

College: Online ISU

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

An introduction to the science of biology. This course is designed for students who are not majoring in biology or health related fields. Topics include scientific method, diversity of life, genetics, ecology and evolution.

? PSEO Biology II

Grade: 11-12

Prerequisite: PSEO Biology

College: Online ISU

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

Introduction to the nature of life, including the cellular basis of life; energy relationships; the nature of heredity; evolution; form and function of microbial, plant, and animal life.

? PSEO Anatomy

Grade: 11-12

Prerequisite: Anatomy/Physiology

College: Online ISU

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

This course covers basic concepts in human anatomical structure in relation to simple body functions. All body systems are covered with emphasis on structure. This course is for students interested in pursuing health or science programs.

Optional: Anatomy Lab- Anatomy lab covers the lecture topics through the use of models, computer simulations, and diagrams to confirm anatomical structure of tissues, bones, and muscles.

? PSEO Normal Nutrition

Grade: 11-12
Prerequisite: Biology
College: Iowa CC Online

Credit: 1
Semester: Fall or Spring
Required: No

Course Description

Normal Nutrition provides the student with a basic background of the nutrients which are essential in maintaining the physical and mental well-being of the human body. An overview of the digestive processes and the relationship to each group of nutrients is presented. Basic nutritional principles of food selection are studied with an emphasis on health promotion throughout the life cycle. Students examine their personal eating habits and identify ways to promote a health nutritional status .

? PSEO North Star Astronomy

Grade: 11-12
Prerequisite: None
College: Online ISU

Credit: 1
Semester: Fall or Spring
Required: No

Course Description

Topics in observing the sky and navigation by the stars for students with little or no previous experience. The course combines material on common naked-eye phenomena such as lunar phases and apparent motions of the stars and planets with information on how these helped navigators determine where they are on Earth. The course lectures are online, interactive units with build in exercises, hands-on (offline) activities and layers of help.

? PSEO Environmental Biology

Grade: 11-12
Prerequisite: PSEO Biology
College: Online ISU

Credit: 1
Semester: Fall or Spring
Required: No

Course Description

An introduction to the structure and function of natural systems at scales from the individual to the biosphere and the complex interactions between humans and their environment. Discussions of human population growth, biodiversity, sustainability, resource use, and pollution. This course is intended for students who are **not** planning to major in science.

? AP Chemistry

Grade: 11-12
Prerequisite: Counselor Approval
College: U of Iowa

Credit: 1
Semester: Year
Required: No

Course Description

The AP Chemistry course will consist of five main parts. The first two parts of the class will focus on the structure of matter (atomic theory and atomic structure, chemical bonding, and nuclear chemistry) and the states of matter (gases, liquids, solids, and solutions). The third part will consist of types of reactions, stoichiometry, equilibriums, kinetics, and thermodynamics. The rest of the course will focus on principles and concepts in chemistry as well as laboratory experience.

? AP Physics B

Grade: 11-12
Prerequisite: Counselor Approval
College: U of Iowa

Credit: 1
Semester: Year
Required: No

Course Description

The Physics B course includes topics in both modern and classical physics. Knowledge of algebra and basic trigonometry is required for the course. The basic ideas of calculus will be introduced in connection with physical concepts, such as acceleration and work. Understanding of the basic principles involved and the ability to apply these principles in the solution in the problems are the major goals of the course.

Social Studies Course Numbers

Class	Semester 1	Semester 2	Year/Sem. Credits	Available
World History	41	41	Year	9-10
Ancient & World*			2	
American History*	40	40	Year	11
			2	
AP US History	511	511	Year	10-12
			2	
Current Events	46	NA	Semester	10-12
			1	
PSEO Iowa History	400	400	Semester	11-12
			1	
PSEO American Civilization 1877-Present	401	401	Semester	11-12
			1	
PSEO Civil War	402	402	Semester	11-12
			1	
PSEO Vietnam War	403	403	Semester	11-12
			1	
PSEO Western Civ. Enlightenment to Present	404	404	Semester	11-12
			1	
PSEO Western Civ. Stone Age to Enlightenment	405	405	Semester	11-12
			1	
PSEO History of Rock And Roll	210	210	Semester	11-12
			1	
Law & Society	NA	89	Semester	10-12
			1	
Sociology	45	NA	Semester	10-12
			1	
SCC Forensics	410	410	Semester	11-12
			2	
PSEO Sociology	68	68	Semester	11-12
			1	
PSEO American Minority Relations	411	411	Semester	11-12
			1	
PSEO Diversity in America	412	412	Semester	11-12
			1	
PSEO Corrections	413	413	Semester	11-12
			1	
PSEO Intro to Criminal Justice	88	88	Semester	11-12
			1	
PSEO Criminology	415	415	Semester	11-12
			1	

History
Courses

Sociology
Courses

PSEO Community Relations	416	416	Semester 1	11-12
PSEO Criminal Law	417	417	Semester 1	11-12
PSEO Juvenile Law	87	87	Semester 1	11-12
PSEO Juvenile Delinquency	419	419	Semester 1	11-12
PSEO Criminal Investigations	420	420	Semester 1	11-12
PSEO Intro to Ethical Conflicts	421	421	Semester 1	11-12
PSEO Intro to Philosophy	53	53	Semester 1	11-12
PSEO Intro to Human Services	422	422	Semester 1	11-12
PSEO Cultural Anthropology	423	423	Semester 1	11-12
PSEO Native American Studies	424	424	Semester 1	11-12
PSEO Death & Dying	425	425	Semester 1	11-12
Human Relations	NA	47	Semester 1	10-12
AP Psychology	510	510	Semester 1	11-12
PSEO General Psychology	430	430	Semester 1	11-12
PSEO Motivation	431	431	Semester 1	11-12
PSEO Organizational Behavior	432	432	Semester 1	11-12
PSEO Personality	433	433	Semester 1	11-12
PSEO Social Psychology	310	310	Semester 1	11-12
PSEO Educational Psychology	434	434	Semester 1	11-12
PSEO Psychology of Adjustment	435	435	Semester 1	11-12
PSEO Health Psychology	436	436	Semester 1	11-12
PSEO Abnormal Psychology	437	437	Semester 1	11-12
PSEO Child Psychology	373	373	Semester 1	11-12

Psychology
Courses

Civics	44	44	Semester 1	9-11
American Government*	43	43	Semester 1	12
Consumer Economics*	42	42	Semester 1	12
PSEO American Govt.	440	440	Semester 1	12
PSEO Political Science	441	441	Semester 1	11-12
PSEO World Politics	442	442	Semester 1	11-12
PSEO Terrorism	443	443	Semester 1	11-12
PSEO Legislative Process	444	444	Semester 1	12
PSEO Geography	445	445	Semester 1	9-12
PSEO Microeconomics	446	446	Semester 1	12
AP Microeconomics	508	508	Semester 1	11-12
PSEO Macroeconomics	76	76	Semester 1	12
AP Macroeconomics	509	509	Semester 1	12

Political Science Courses

*These courses are required for graduation.

? Ancient World History & Contemporary World History

Grade: 9 or 10

Prerequisite: None

NCAA Clearinghouse: Approved

Credit: 2

Semester: Semester Each Class

Required: No

Course Description

Study the development of both western and eastern civilization. This course provides a comprehensive treatment of ancient and medieval history and gives in-depth coverage of modern history. This course is split into two semesters that can be taken freshman or sophomore year. Both courses are required before the end of the sophomore year.

? American History

Grade: 10

Prerequisite: None

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: Yes

Course Description

This course covers the entire history of the United States from the Paleo-Indian migration to the present day, but focuses specifically on the United States since Reconstruction. Students study the economic, social, religious, and political development of the nation. The year ends with a current events unit that defines America's place in the world today.

? AP US History

Grade: 10-12

Prerequisite: Counselor Approval

College: U of Iowa

Credit: 2

Semester: Year

Required: No

Course Description

The AP U.S. History class covers a wide variety of themes throughout the course. The course focuses on American diversity and identity, culture, and demographic changes. Students will also learn about economic transformations, the environment, globalization, and politics and citizenship. The second half of the course will introduce students to reform, religion, slavery, war, and diplomacy.

? Current Events

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall

Required: No

Course Description

This course deals with daily local, state, national, and international events. Students will be involved with keeping the class informed about current news. They will also be discussing how these events affect them and what they think could be done to change our world.

? PSEO Iowa History

Grade: 11-12

Prerequisite: None

College: Online DMACC

Credit: 1

Semester: As Available

Required: No

Course Description

A broad survey of Iowa history from Indian cultures and pioneer farming through modern agriculture, gradual social changes and long-term political trends.

? PSEO American Civilization Since 1877

Grade: 11-12

Prerequisite: American History

College: Online Most community colleges

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

This course includes the political, socio-cultural and economic factors in development of the American civilization from the end of Reconstruction to present. The course will focus on the changing aspirations and behavior of Americans as well as the transformative achievements of the powerful. The objective is to understand not only what happened but also why it happened. The course will allow students to analyze critically the significance of race, ethnicity, religion, class and gender in the American Experience and help students make their own judgments about the relative importance of factors in shaping the American past.

? PSEO Civil War

Grade: 11-12

Prerequisite: American History

College: Online DMACC

Credit: 1

Semester: As Available

Required: No

Course Description

This telecourse covers the causes, key events, major participants and the long-term impacts of the Civil War using Ken Burns' widely acclaimed TV series. This course movingly and vividly captures the entire sweep of America's most significant war.

? PSEO Vietnam War

Grade: 11-12

Prerequisite: American History

College: Iowa CC Online

Credit: 1

Semester: As Available

Required: No

Course Description

A survey of the 2,000-year history of Vietnam, the French Indochina War and U.S. involvement, the military role, the view from those who participated and discussion of the consequences of American participation in the Asian conflict. The conflict will be viewed within the context of the Cold War and explore the events, attitudes and political scene leading up to the U.S. commitment in Southeast Asia. Exploration of the anti-Vietnam War movement will also take place.

? PSEO Western Civilization: Enlightenment to Present

Grade: 11-12

Prerequisite: World History

College: Online; Most community colleges

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

This course is a comprehensive study of the major political, social, cultural and philosophical movements in Western Civilization from the present to the Age of Enlightenment.

? PSEO Western Civilization: Stone Age to Enlightenment

Grade: 11-12

Prerequisite: World History

College: Online; most community colleges

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

This course is a comprehensive study of the major political, social, cultural and philosophical movements in Western Civilization from the Stone Age to the Age of Enlightenment.

? Law & Society

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Not approved

Credit: 1

Semester: Spring

Required: No

Course Description

A course in practical law that is of use in everyday life. This course is designed to provide you with an understanding of your legal rights and responsibilities, a knowledge of every-day legal problems, and the ability to analyze, evaluate, and , in some situations, resolve legal disputes. During the course of the semester, we will address general problems in the areas of criminal and juvenile justice, torts, consumer, family, housing, and law.

? Sociology

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Approved

Credit: 1

Semester: Fall

Required: No

Course Description

Scientific study of all social aspects of human life. It studies the way in which human groups are put together and how they function. Discussion and group interaction is essential in this course, which puts great emphasis upon contemporary problems.

? SCC Forensics

Grade: 11-12

Prerequisite: None

College: DMACC- Ames

Credit: 4

Semester: Year

Required: No

Course Description

Students will explore the criminal justice system and the roles it plays in society; learn techniques, principles, problems, sources of information and evidentiary processes of criminal investigation; examine ethical uses of discretion; analyze officer stress and popular perceptions of the criminal justice system; and work in a lab to gain experience with fingerprinting and crime scene investigation.

? PSEO Sociology

Grade: 11-12

Prerequisite: Sociology

College: Online; most community colleges

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

This course is a concise study of human behavior from the perspective of Sociologists. It will examine the ways in which social interaction, social processes, and social institutions comprise our sociological imagination. The course will also explore the ways that personality status, role, class, gender, age, race and ethnicity affect human interaction and institutions.

? PSEO American Minority Relations

Grade: 11-12

Prerequisite: Sociology

College: Online Iowa Central Community College

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

This course is a cultural and historical study of selected minority groups in terms of their social, political and economic relationship to contemporary American society. This course will explore the psychological and sociological framework of minority/dominant group interaction patterns and discuss the origins and causes of prejudice and discrimination.

? PSEO Diversity in America

Grade: 11-12

Prerequisite: Sociology

College: Online Hawkeye Community College

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

Introduction to the sociological study of majority-minority group relations. Focus will be on the basic concepts such as groups, intergroup relations, power, prejudice, and discrimination, as well as social understanding, tolerance, and acceptance. A wide assortment of minority groups, including women, racial, ethnic, the physically and mentally disabled, homosexuals, religious groups, the elderly and the young, and those singled out for their lower socio-economic status will be considered.

? PSEO Corrections

Grade: 11-12

Prerequisite: Law & Society

College: Iowa CC Online

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

This course analyzes corrections and punishment in modern society, exploring the prison system, community based corrections and alternative incarcerations. Probation and parole in the criminal justice system.

? PSEO Introduction to Criminal Justice

Grade: 11-12

Prerequisite: Sociology or Law & Society

College: Online DMACC

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

An in-depth examination of the three components of the criminal justice system and the roles they play in society.

? PSEO Criminology

Grade: 11-12

Prerequisite: Sociology or Law & Society

College: Iowa CC Online

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

The nature and extent of crime and criminality, society's efforts to control crime, theories of causation, emphasis on social processes, systems and methods of correction.

? PSEO Community Relations

Grade: 11-12

Prerequisite: Sociology or Law & Society

College: Online DMACC

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

Examination of the role of criminal justice personnel in a democratic society; emphasis on ethical uses of discretion, analysis of officer stress and the popular perceptions of the criminal justice system.

? PSEO Criminal Law

Grade: 11-12

Prerequisite: PSEO Intro to Criminal Justice

College: Online DMACC

Credit: 1

Semester: As Available

Required: No

Course Description

An examination of the elements of offenses and the procedural safeguards in the criminal process.

? PSEO Juvenile Law

Grade: 11-12

Prerequisite: Law & Society

College: Online DMACC

Credit: 1

Semester: As Available

Required: No

Course Description

The social and legal aspects plus theories of juvenile delinquency, examination of procedures, legislation, juvenile court and prevention programs.

? PSEO Juvenile Delinquency

Grade: 11-12

Prerequisite: PSEO Sociology

College: Iowa CC Online

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

An investigation of juvenile delinquency in American society, sociological theories and research of delinquency, impact of groups, juvenile justice system, and prevention programs.

? PSEO Criminal Investigations

Grade: 11-12

Prerequisite: PSEO Sociology

College: Online Upper Iowa University

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

Fundamentals of criminal investigation: crime scene search and recording; collection and preservation of physical evidence; scientific aids; modus operandi; sources of information; interview and interrogation; follow-up and case preparation. Special emphasis on leadership and management actions taken to enhance investigative efforts.

? PSEO Introduction to Ethical Conflicts

Grade: 11-12

Prerequisite: None

College: Online DMACC; ICN Iowa Central

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

This course explores contemporary ethical conflicts as a way to develop students' critical thinking skills. Students will examine various moral theories and their application to ethical problem solving by the use of case studies. Students will determine principles upon which to base their decision making. Areas for discussion may include personal decision making, job and workplace ethics, the social aspects of medicine and the morals of politics and war.

? PSEO Introduction to Philosophy

Grade: 11-12

Prerequisite: None

College: Online at most community colleges

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

Investigates some of the fundamental issues in human existence - for example human nature; the nature of reality; the good life; how and what we know; justice and freedom; and free will and determinism - through readings and discussions of seminal philosophical texts in western or nonwestern traditions.

? PSEO Introduction to Human Services

Grade: 11-12

Prerequisite: None

College: Guided Study Iowa Central

Credit: 1

Semester: As Available

Required: No

Course Description

A survey is made of the historical development and philosophy of the social service in today's society. Emphasis is placed on the programs and agencies available in Iowa with their services, resources and methods of delivery.

? PSEO Cultural Anthropology

Grade: 11-12

Prerequisite: Human Relations or Sociology

College: Iowa CC Online

Credit: 1

Semester: As Available

Required: No

Course Description

This course is designed to give students a comprehensive introduction to cultural anthropology and provide students with an overview of the principles and processes of cultural anthropology. Students will be introduced to the complexity and breadth of human behavior and the human condition.

? PSEO Native American Studies

Grade: 11-12

Prerequisite: None

College: Online IHCC

Credit: 1

Semester: As Available

Required: No

Course Description

This course takes a multidisciplinary approach to the study of Native American culture. Native American history, art, literature, religion, and social and political organization will be investigated.

? PSEO Death & Dying

Grade: 11-12

Prerequisite: None

College: Online Hawkeye Community College

Credit: 1

Semester: As Available

Required: No

Course Description

This course provides a basic background on historical and contemporary perspectives on death and dying. Attention is given to current American practices regarding death, as well as cross-cultural interpretation. Emphasis is also placed on the special situation of the terminally ill and bereaved.

? Human Relations

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Approved

Credit: 1

Semester: Spring

Required: No

Course Description

Explores the fascinating field of human behavior and the working of the human mind. We will cover all aspects of the ways of human actions, how humans think, and how we relate to each other.

? AP Psychology

Grade: 11-12

Prerequisite: Counselor Approval

College: U of Iowa

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

AP Psychology will introduce students to the history and approaches of psychology. It will also discuss the different research methods. Students will learn the biological bases of behavior as well as sensation and perception. The course will cover learning, cognition, and motivation and emotion in human beings. AP psychology will also discuss human personality and go into some of the treatments in psychological disorders.

? PSEO General Psychology

Grade: 11-12

Prerequisite: Human Relations

College: Online most community colleges

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

This course provides a broad introduction to the principles of contemporary psychology. The course is based on providing the student with an understanding of the theoretical foundations of psychology, as well as a survey of empirical research dealing with behavior and mental processes.

? PSEO Motivation

Grade: 11-12

Prerequisite: PSEO General Psychology

College: Online Upper Iowa

Credit: 1

Semester: As Available

Required: No

Course Description

A review of the major theories that attempt to explain motivated behavior from a physiological, cognitive, social, environmental and/or learning point of view. Application of motivation theories to organizations, education, sports and daily life.

? PSEO Organizational Behavior

Grade: 11-12

Prerequisite: General Business or Counselor Approval

College: Online Upper Iowa

Credit: 1

Semester: As Available

Required: No

Course Description

This course encourages students to describe and analyze the way that people behave in organizations by applying theories of organizational behavior. The course consists of a balance among theory and application.

? PSEO Personality

Grade: 11-12

Prerequisite: PSEO General Psychology

College: Online Upper Iowa

Credit: 1

Semester: As Available

Required: No

Course Description

A survey of the major theories of the nature and development of personality.

? PSEO Social Psychology

Grade: 11-12

Prerequisite: PSEO Psychology or Sociology

College: Online DMACC

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

This course is designed to give a broad overview of how people think about, influence, and relate to one another. Time will be spent on both behavior and attitudes. Related research will be examined.

? PSEO Educational Psychology

Grade: 11-12

Prerequisite: PSEO General Psychology

College: Iowa CC Online

Credit: 1

Semester: As Available

Required: No

Course Description

This course examines the principles of psychology as they apply to educational settings with special emphasis on such topics as development, learning, motivation, measurement and evaluation, and mental health.

? PSEO Psychology of Adjustment

Grade: 11-12

Prerequisite: PSEO General Psychology

College: Online IHCC

Credit: 1

Semester: As Available

Required: No

Course Description

This course will examine psychological theories and current research on positive mental health. Emphasis will be given to models of adjustment as they apply to the student's life.

? PSEO Health Psychology

Grade: 11-12

Prerequisite: PSEO General Psychology

College: Online ECC

Credit: 1

Semester: As Available

Required: No

Course Description

Overview of the contributions of psychology and its subfields to the understanding of the etiology, prevention, assessment, intervention, and treatment of physical illness and disease. Includes the reciprocal interaction of behavior and physical health, recovery from injury and illness, and adjustment to chronic illness.

? PSEO Abnormal Psychology

Grade: 11-12

Prerequisite: PSEO General Psychology

College: Iowa CC Online; Iowa Central

Credit: 1

Semester: As Available

Required: No

Course Description

An introduction to the study of abnormal behavior, with emphasis on anxiety, depression, schizophrenia and personality disorders. Includes the dynamics of mental disorder along with the biopsychosocial factors involved in the etiology and treatment of disorders.

? PSEO Developmental Psychology

Grade: 11-12

Prerequisite: PSEO General Psychology

College: Online DMACC

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

The study of factors that affect human development from conception to death, with emphasis on topics such as physical, cognitive and social changes, methods of study and current issues.

? Civics

Grade: 9

Prerequisite: None

NCAA Clearinghouse: Approved

Credit: 1

Semester: Fall or Spring

Required: Yes

Course Description

About people and how they govern themselves. Includes biographical information on politics, citizenship, government, the constitution, civil rights, political parties, elections, and current social problems, as well as current events.

? American Government

Grade: 12

Prerequisite: None

NCAA Clearinghouse: Approved

Credit: 1

Semester: Fall or Spring

Required: Yes

Course Description

Deals with the institutions man as developed to secure maintenance of order, an essential funion for the survival of society. A brief look at world governments and ideologies as followed by an in-depth study of American government from the development of the constitution to the highly sophisticated relationships between all levels of government agencies that exist today. The citizen's role in government and basic civil rights are also covered.

? AP American Government & Politics

Grade: 11-12

Prerequisite: Counselor Approval

College: U of Iowa

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

After completing this course, students will know important facts, concepts, and theories pertaining to U.S. government and politics. Students will also understand typical patterns of government processes and behavior and their consequences. Additionally, students will analyze and interpret basic data relevant to U.S. government and politics.

? Consumer Economics

Grade: 12

Prerequisite: None

NCAA Clearinghouse: Approved

Credit: 1

Semester: Fall or Spring

Required: Yes

Course Description

Deals with such economic matters as: insurance, banking, credit, income taxes, consumer decision-making, and other aspects of economics that are absolutely essential for survival in today's society.

? PSEO American Government

Grade: 11-12

Prerequisite: Govt. or Counselor Approval

College: Iowa CC Online; Iowa Central

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

This survey course introduces the general principles, policies, and problems of the national government in the United States. Fundamentals of American democracy; constitutionalism; the nature of federalism; the rights and duties of citizens; the institutions and processes of the executive, legislative, and judicial branches of government; the role of public opinion and the media; and the participation of interest groups, social movements, and political parties in the U.S. political system are emphasized.

? PSEO Political Science

Grade: 11-12

Prerequisite: Govt. or Counselor Approval

College: Online DMACC

Credit: 1

Semester: As Available

Required: No

Course Description

A study of the application of constitutional principles to social and political questions including the powers of the national government vs. state government through focus on the incorporation issue examination of the evolution of civil liberties guarantees.

? PSEO World Politics

Grade: 11-12

Prerequisite: World History

College: Online DMACC

Credit: 1

Semester: As Available

Required: No

Course Description

The international system is examined from several perspectives including the United States, Russia, and China. Emphasis is placed upon ideology, national interest, the use of power, international law and organization.

? PSEO Terrorism

Grade: 11-12

Prerequisite: World History or Current Events

College: Online DMACC

Credit: 1

Semester: As Available

Required: No

Course Description

An interactive course analyzing the philosophy and methodology of prominent extremist groups in the USA and the world. Focus will be on definitions, conditions, media response, and prospects for future terrorist activity. Assessments will be student-centered and emphasize research and composition.

? PSEO Legislative Process

Grade: 11-12

Prerequisite: Government

College: Online Upper Iowa

Credit: 1

Semester: As Available

Required: No

Course Description

A general introduction to American representative assemblies, with primary attention given to the U.S. Congress. Emphasis is on the interplay of relationships with legislative bodies affecting the shaping of legislation.

? PSEO Geography

Grade: 11-12

Prerequisite: None

College: Online DMACC

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

This course covers World Geography using a regional geography perspective. The geopolitical, economic, cultural, and physical geography of various world regions will be studied. Comprehension of geographic terms and concepts will be emphasized.

? PSEO Microeconomics

Grade: 11-12

Prerequisite: Consumer Economics

College: Online most community colleges

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

Course covers survey of demand and supply conditions, cost structure, market structure, and how these elements affect individual household, business firms, government and global trade.

? AP Microeconomics

Grade: 11-12

Prerequisite: Counselor Approval

College: U of Iowa

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

AP Microeconomics will cover basic economic concepts, the nature and function of product markets, and apply the concept of supply and demand through factor markets. Students will examine the conditions for economic efficiency and also learn about market failure and the role of the government.

? PSEO Macroeconomics

Grade: 11-12

Prerequisite: Consumer Economics

College: Online most community colleges

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

This course is an introduction to Macroeconomics. Economic concepts including supply and demand, national income, unemployment, inflation, fiscal policy, money and banking, monetary policy, and many others will be studied.

? AP Macroeconomics

Grade: 11-12

Prerequisite: Counselor Approval

College: U of Iowa

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

AP Macroeconomics covers basic economic concepts, measurement of economic performance, national income and price determination. Students will learn how the monetary policy works through a financial sector, inflation, unemployment, and stabilization policies. The course will also introduce economic growth and productivity and discuss the open economy: international trade and finance.

Family & Consumer Science Course Numbers

Class	Semester 1	Semester 2	Year/Sem. Credits	Available
Family & Consumer Science	60	60	Year 2	9
Foods I	61	61	Semester 1	10-12
Foods II	62	62	Semester 1	10-12
Clothing Design & Construction	NA	63	Semester 1	10-12
Child Development	70	70	Year 2	10-12
Family Health Issues	71	NA	Semester 1	11-12
SCC Fashion Design	94	NA	Semester 2	11-12
SCC Textiles	351	351	Semester 2	11-12
PSEO Foundations of Family and Consumer Science	352	352	Semester 1	11-12
PSEO Courtship, Marriage, & Family	353	353	Semester 1	11-12
PSEO Human Growth & Development	354	354	Semester 1	11-12
PSEO Contemporary Health Issues	355	355	Semester 1	11-12
PSEO Principles of Nutrition	356	356	Semester 1	11-12
SCC Culinary Arts @ DMACC/Ames	95	95	Year 4	11-12
PSEO Principles of Preschool Education	357	357	Semester 1	11-12
PSEO Health, Nutrition, & Safety for Young Children	358	358	Semester 1	11-12
PSEO Organization and Management of Childcare Centers	359	359	Semester 1	11-12
PSEO Human Exceptionality	360	360	Semester 1	11-12
PSEO Intro to Education	98	98	Semester 1	11-12
PSEO Methods of Guiding Children's Behavior	362	362	Semester 1	11-12

? Family & Consumer Science

Grade: 9

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 2

Semester: Year

Required: No

Course Description

A basic introductory class to Family and Consumer Science. Topics include foods, clothing, child development, housing, and home management. Students will prepare foods in lab exercises during the foods unit. During the clothing unit, students will construct a machine-sewn project and a hand-sewn project. Each unit lasts approximately nine weeks. There is a \$10 fee for the unit on foods.

? Foods I

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall

Required: No

Course Description

Basic cooking skills will be covered. Some areas covered will be safety and sanitation, proper equipment use, recipe reading, table setting, fruits, vegetables, food preservation, grains, and dairy products. At Christmas time, students will design and build their own gingerbread houses. Food labs with preparations and evaluation of various foods will be approximately once a week. There is a \$20 fee for supplies.

? Foods II

Grade: 10-12

Prerequisite: Foods I or Teacher Approval

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Spring

Required: No

Course Description

A continuation of Foods I. Areas covered are dairy, eggs, salads, soups, cakes, cake decorating, pies, and meats. Other areas covered are meal planning and menu design. Also, a study of culture, history, and food preparation from countries around the world. Lab with food preparation and evaluation will occur about once a week. There is a \$20 fee for supplies.

? Clothing Design & Construction

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Spring

Required: No

Course Description

Basic sewing construction skills are learned through projects and assignments. Students are expected to do a certain amount of techniques and projects. Both machine and hand-stitch projects are to be done. Fabric types, clothing styles, and color will also be covered. Students will purchase their own materials for the course.

? Child Development I

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall

Required: No

Course Description

Reproduction and prenatal care, newborn baby, growth of children (physically, socially, emotionally, and intellectually), up to age 6. Observation field trips and projects are some activities that may go along with this class. Parenting implications and responsibilities, discipline, child abuse, special children, child-hood illnesses, nutrition and children, toy safety, children's clothing, children's literature and missing children are some of the topics

covered. A toy or book project, working with school-aged children and an activity file are some of the activities that may be required.

? **Child Development II**

Grade: 10-12

Prerequisite: Child Development I

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Spring

Required: No

Course Description

Continuation and expansion of topics discussed in Child Development I.

? **Family Health**

Grade: 11-12

Prerequisite: Health

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall

Required: No

Course Description

Students will try to better understand themselves and will study healthy life styles. Some units covered: mental health, mental disorders, stress, self-concepts, values, nutrition, general health, family systems, marriage and parenthood, and the life cycle (birth to death). This course will include a lot of large/small group discussion.

? **PSEO Foundations of Family and Consumer Sciences**

Grade: 11-12

Recommended Prereq: Family & Consumer Science

College: ISU

Credit: 1

Semester: As Available

Required: No

Course Description

Historical development and philosophical base of family and consumer sciences. Integrative focus for disciplines and areas of specialization.

? **PSEO Courtship, Marriage, & Family**

Grade: 11-12

Prerequisite: Family Health

College: Online DMACC

Credit: 1

Semester: As Available

Required: No

Course Description

This course analyzes the sociological, physical, psychological, legal and economic aspects of the American family. Included are investigations of courtship and marriage relationships, preparation for marriage, family, parenthood, interpersonal relationships, and marital adjustment.

? **PSEO Human Growth & Development**

Grade: 11-12

Prerequisite: Child Development

College: Iowa CC Online

Credit: 1

Semester: As Available

Required: No

Course Description

This course traces the fundamental patterns of normal health development from conception to death. Each developmental period is examined on light of the characteristics of the period and the demands of the American culture. Recent research in the studies relating to different ages is reviewed.

? PSEO Contemporary Health Issues

Grade: 11-12
Prerequisite: Health
College: Iowa CC Online

Credit: 1
Semester: As Available
Required: No

Course Description

This course presents a basic understanding of the relationships between the systems of the human body and the environments in which they exist. The course also develops an appreciation for the social, economic and medical aspects of man and disease as it relates to personal and community living.

? PSEO Principles of Nutrition

Grade: 11-12
Prerequisite: Biology
College: ISU, ECC

Credit: 1
Semester: As Available
Required: No

Course Description

Understanding and implementing present-day knowledge of nutrition. Use of food for health and satisfaction of the individual and the family.

? SCC Culinary Arts

Grade: 11-12
Prerequisite: None
College: DMACC- Hunziker Center

Credit: 4
Semester: Year
Required: No

Course Description

Through hands-on experience, students are introduced to the scientific principles used in food preparation, the hospitality industry, and fundamentals of dining and sanitation. DMACC credits are earned in the following courses:
Year 1: Food Preparation I (3 credits), Food Preparation I Lab (3), Intro to Hospitality (2), Food Preparation II (2), Food Preparation II Lab (2), Sanitation and Equipment (1).
Year 2: Nutrition (2), Baking Lab (2), Garde Manger (2), Work Experience 225 Hours (3)
Courses require extended lab time in the evening.

? SCC Fashion Design

Grade: 11-12
Prerequisite: None
College: DMACC- Ames HS

Credit: 2
Semester: Fall
Required: No

Course Description

Emphasis is on how the fashion business works, from concept to consumer. Students will learn the basics of buying supplies, creating and developing a new product, and marketing the product. Focus is on analyzing styles and creating and implementing the principles of design into product development as well as researching past and present designers to understand their contribution to fashion.

? SCC Textiles

Grade: 11-12
Prerequisite: None
College: DMACC- Ames HS

Credit: 2
Semester: Spring
Required: No

Course Description

Focus will be on application-oriented study of natural and manufactured fibers. Popular weaves, technologies used to produce, qualities achieved, and costs incurred will be analyzed. Printing and dyeing processes, in addition to the finishes available today will be studied.

? PSEO Principles of Preschool Education

Grade: 11-12

Prerequisite: Child Development

College: Online ECC

Credit: 1

Semester: As Available

Required: No

Course Description

Theory, practice and development of curricula as related to early childhood education in nursery school, Head Start and child care centers. Understanding of parent and community interaction as related to the preschool child.

? PSEO Health, Nutrition, & Safety for Young Children

Grade: 11-12

Prerequisite: Child Development

College: Online ECC

Credit: 1

Semester: As Available

Required: No

Course Description

A basic study of nutrition, health, and safety in group childcare settings; blending current theory with practical application. Includes units on the principles of nutrition, planning meals and snacks, safety, health and hygiene, and illness.

? PSEO Organization & Management of Childcare Centers

Grade: 11-12

Prerequisite: Child Development

College: Online ECC

Credit: 1

Semester: As Available

Required: No

Course Description

Analysis and interpretation of supervision and administrative procedures relevant to early childhood education. Emphasis on management principles, funding, federal and state regulations, staff and community relations, recordkeeping, and child advocacy.

? PSEO Human Exceptionality

Grade: 11-12

Prerequisite: Child Development

College: Online ECC

Credit: 1

Semester: As Available

Required: No

Course Description

Etiology, diagnosis, treatment prognosis, and vocational implications of physical/mental disabilities.

? PSEO Introduction to Education

Grade: 11-12

Prerequisite: Child Development

College: Online DMACC

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

Survey the aims, organization, politics, history, and leaders in European and American education.

? PSEO Methods of Guiding Children's Behavior

Grade: 11-12

Prerequisite: Child Development

College: Online MCC, ISU

Credit: 1

Semester: As Available

Required: No

Course Description

Identifying behavior patterns and appropriate methods of discipline in the guidance of young children's behavior through theory and practical application.

Business Course Numbers

Class	Semester 1	Semester 2	Year/Sem. Credits	Available
General Business	101	NA	Semester 1	9-10
Banking & Finance	NA	102	Semester 1	9-10
Accounting I	104	104	Year 2	10-12
Accounting II	105	105	Year 2	11-12
Marketing	106	106	Year 2	10-12
PSEO Accounting	365	365	Semester 1	11-12
PSEO Intro to Business	366	366	Semester 1	11-12
PSEO Intro to Entrepreneurship	367	367	Semester 1	11-12
PSEO Business Law 1	59	59	Semester 1	11-12
PSEO Business Law 2	369	369	Semester 1	11-12
PSEO Principles of Marketing	370	370	Semester 1	11-12
PSEO Quantitative Decisions in Business	371	371	Semester 1	11-12
PSEO Personal Finance	372	372	Semester 1	11-12
PSEO Principles of Management	373	373	Semester 1	11-12
PSEO Credit & Collections	374	374	Semester 1	11-12
PSEO Federal Taxes	375	375	Semester 1	11-12
PSEO Investments	376	376	Semester 1	11-12
PSEO Principles of Banking	377	377	Semester 1	11-12
PSEO Insurance	378	378	Semester 1	11-12
PSEO Business/Financial Math	379	379	Semester 1	11-12
PSEO Financial Analysis	380	380	Semester 1	11-12
PSEO Intro to International Business	50	50	Semester 1	11-12
PSEO Small Business Management	382	382	Semester 1	11-12

PSEO Small Business Marketing	383	383	Semester 1	11-12
PSEO Sports Marketing	384	384	Semester 1	11-12
PSEO Intro to E-Commerce	385	385	Semester 1	11-12

? General Business

Grade: 9-10

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall

Required: No

Course Description

This course concentrates heavily on a broad overview of business, a large unit of entrepreneurship in which students will have to create their own business, and career development. This is meant to be an introductory class for students interested in business and also a key class for students looking towards vocational trades.

? Banking & Finance

Grade: 9-10

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Spring

Required: No

Course Description

This course will concentrate on banking, money, finance, investing, and a unit on business law. This is meant to be an introductory class for students interested in business and also a key class for students looking towards vocational trades.

? Accounting I

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 2

Semester: Year

Required: No

Course Description

Study the principles of double entry accounting, including journalizing, posting, and preparing financial statements.

? Accounting II

Grade: 11-12

Prerequisite: Accounting I

NCAA Clearinghouse: Not Approved

Credit: 2

Semester: Year

Required: No

Course Description

This is a full year course offered only to students that have passed both semesters of Accounting 1. This class is designed to go deeper into the world of accounting and should only be taken by students who are interested in a career in business. The class will cover departmentalized accounting, accounting control systems, general accounting adjustments, corporate accounting, management accounting and cost accounting. Students will also complete a large accounting business scenario in which they will be responsible for all of the financial records of a company throughout a month.

? Marketing

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 2

Semester: Year

Required: No

Course Description

This course will cover the movement of goods and services from the producer to the consumer. All of the different areas of the marketing functions such as purchasing, selling, product or service planning, promotion, pricing, marketing research, financing, physical distribution, and risk management are also covered.

? PSEO Accounting

Grade: 11-12

Prerequisite: General Business

College: Most Colleges

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

An introduction to the basic accounting principles and practices as used in a double-entry system. Emphasis on analyzing and recording of business transactions and preparations of financial statements.

? PSEO Introduction to Business

Grade: 11-12

Prerequisite: General Business

College: Most community colleges

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

An overview of the ever-changing world of business. Provides information in the areas of ownership, management, marketing, insurance, economic systems, and finance as well as the role of government.

? PSEO Introduction to Entrepreneurship

Grade: 11-12

Prerequisite: General Business

College: Iowa CC Online

Credit: 1

Semester: As Available

Required: No

Course Description

Introduction to Entrepreneurship emphasizes these processes: understanding how to find, analyze, and pursue an opportunity; understanding oneself and personality characteristics of the "entrepreneur"; and examining the environment for entrepreneurship. A case and experiential approach is used throughout.

? PSEO Business Law I

Grade: 11-12

Prerequisite: General Business

College: Online DMACC

Credit: 1

Semester: As Available

Required: No

Course Description

Provides introductory overview of the sources of law of the American legal system, the structure of the court systems, torts, contract law and sales law.

? PSEO Business Law II

Grade: 11-12

Prerequisite: PSEO Business Law I

College: Online DMACC

Credit: 1

Semester: As Available

Required: No

Course Description

Provides for overview of negotiable instruments, debtor/creditor law (collecting judgments,) secured transactions, agency relationships, and selecting the right business formation.

? PSEO Principles of Marketing

Grade: 11-12

Prerequisite: Marketing

College: Online DMACC

Credit: 1

Semester: As Available

Required: No

Course Description

This survey course examines the movement of goods and services from the producer to the consumer. The areas of retailing, wholesaling, channels of distribution, marketing research and pricing are approached from the total marketing concept.

? PSEO Quantitative Decisions in Business

Grade: 11-12

Prerequisite: General Business

College: Online Upper Iowa

Credit: 1

Semester: As Available

Required: No

Course Description

This course is designed for business students who have a good foundation in pre-calculus mathematics, algebra, and elementary statistics. Topics will include an introduction to business quantitative methodology, decision making and planning under conditions of uncertainty, resource allocation, distribution and scheduling, inventory management, and business simulation. This course will be case-driven as part of the learning process.

? PSEO Personal Finance

Grade: 11-12

Prerequisite: Banking & Finance

College: Iowa CC Online

Credit: 1

Semester: As Available

Required: No

Course Description

This course emphasizes family financial planning including financial statements, budgeting, taxes, risk management, and retirement.

? PSEO Principles of Management

Grade: 11-12

Prerequisite: General Business

College: Online MCC; Iowa CC Online

Credit: 1

Semester: As Available

Required: No

Course Description

Principles of Management is a course that presents the theory and major functions of management and describes the role of the manager. Management concepts, theories, techniques, and skills are applicable to all business functional areas and are essential components for successful organizations.

? PSEO Credit & Collections

Grade: 11-12

Prerequisite: PSEO Principles of Banking

College: Online AIB

Credit: 1

Semester: As Available

Required: No

Course Description

This course analyzes the role of credit in the economy and discusses the function of credit in consumer and commercial organizations. The management decision process of issuing credit as well as collection techniques in dealing with delinquent accounts is studied. Strategies in developing, maintain, and repairing personal credit histories is discussed.

? PSEO Investments

Grade: 11-12

Prerequisite: General Business

College: Online AIB

Credit: 1

Semester: As Available

Required: No

Course Description

An introduction to the language of financial securities. The focus is on stocks and bonds and the financial market in which they are traded.

? PSEO Principles of Banking

Grade: 11-12

Prerequisite: Banking & Finance

College: Iowa CC Online

Credit: 1

Semester: As Available

Required: No

Course Description

This course surveys the banking functions. It provides a comprehensive introduction to the diversified services offered by the banking industry today.

? PSEO Principles of Insurance

Grade: 11-12

Prerequisite: General Business

College: Online DMACC

Credit: 1

Semester: As Available

Required: No

Course Description

An introduction to managing risks and making the best use of insurance. Various forms of personal and property insurance coverages are introduced. Insurance coverages as they relate to both business operations and personal situations are discussed.

? PSEO Introduction to International Business

Grade: 11-12

Prerequisite: General Business

College: Online DMACC

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

The International Business course is designed for students to understand the dynamics of global trade. This course examines the cultural, economic, legal, political, social and technological environment of international business. The course also provides an overview of marketing, management, distribution and job opportunities available for business students.

? PSEO Business/Financial Math

Grade: 11-12

Prerequisite: General Business; Banking & Finance

College: Iowa CC Online

Credit: 1

Semester: As Available

Required: No

Course Description

Mathematical computations are reviewed and strengthened with emphasis on facility and accuracy. Includes topics in the mathematics of buying and selling, banking, payroll, markups and markdowns, discounts, interest, consumer math and other related business applications.

? PSEO Financial Analysis

Grade: 11-12

Prerequisite: PSEO Accounting

College: Online DMACC

Credit: 1

Semester: As Available

Required: No

Course Description

An analytical study of accounting information and financial statements. The course focuses on financial ratio analysis that is used to interpret data and reports for financial decision-making.

? PSEO Small Business Management

Grade: 11-12

Prerequisite: General Business

College: Online DMACC

Credit: 1

Semester: As Available

Required: No

Course Description

Examines introductory business applications and strategies needed to start and operate a small business. Topics include: entrepreneurship preparation, idea feasibility, business plan content, introductory marketing, management, and, finance concepts for small business.

? PSEO Small Business Marketing

Grade: 11-12

Prerequisite: Marketing

College: Online DMACC

Credit: 1

Semester: As Available

Required: No

Course Description

Discussions and focus is on marketing applications. Workshops and strategies such as: market research, product development, pricing, distribution, promotion, marketing campaigns and budgets.

? PSEO Sports Marketing

Grade: 11-12

Prerequisite: Marketing

College: Iowa CC Online

Credit: 1

Semester: As Available

Required: No

Course Description

Sports Marketing surveys the basic marketing concepts and theories as they apply to sports and sporting events. Students explore the dynamic environment of the sporting industry and apply the elements of the marketing mix to this ever-changing environment. Using a contingency framework to guide the strategic sports marketing process, the course takes a strategic business perspective and a look behind-the-scenes of research, consumer behavior, sponsorship, licensing, event marketing, and implementation of sports marketing plans.

? PSEO Introduction to E-Commerce

Grade: 11-12

Prerequisite: Marketing

College: Online ECC

Credit: 1

Semester: As Available

Required: No

Course Description

Introduction to electronic commerce activities on the World Wide Web including various free ecommerce services such as BigStep.com and Yahoo.com

Technology Course Numbers

Class	Semester 1	Semester 2	Year/Sem. Credits	Available
Computer Applications I*	26	26	Semester 1	9
Computer Applications II*	18	18	Semester 1	10
Advanced Computers	NA	28	Semester 1	10-12
Web Page Design	99	NA	Semester 1	10-12
SCC Information Technology	49	74	Year 4	11-12
SCC Web Page Design	323	323	Year 4	11-12
PSEO Computer Literacy	38	38	Semester 1	11-12
PSEO Intro to Computers	313	313	Semester 1	11-12
PSEO Intro to GIS	314	314	Semester 1	11-12

*These courses are required for graduation.

? Computer Applications I

Grade: 9

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall or Spring

Required: Yes

Course Description

The course will focus on PC computer applications which students will be expected to use in their high school classes. Emphasis will be on Microsoft Office 2000 applications such as Microsoft Word, Excel, Access, and Power Point. The course will include the use of on-line resources such as the internet and career software for research purposes. Portfolio creation will begin, and a review of keyboarding, letters, and reports will also be covered.

? Computer Applications II

Grade: 10

Prerequisite: Computer Applications I

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall or Spring

Required: Yes

Course Description

The course will focus on PC computer applications which students will use in later high school course, the workplace, and college. Emphasis will be on Microsoft Office 2000 software applications such as Microsoft Word, Excel, Access, and Power Point. Students will be updated on available on-line resources and retrieval techniques. Students will be working to build overall computer skill, therefore, a review of keyboarding, formatting letters, reports, and presentations will be included. Student portfolios will be continued along with a career exploration unit and a job shadow experience.

? Advanced Computers

Grade: 10-12

Prerequisite: Computer Applications I & II

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Spring

Required: No

Course Description

This course is designed to explore the digital media world using the Mac Ilife series of software. You will learn how to use iPhoto, iMovie, iDVD, iTunes, Safari and Garage Band on the schools new Emac's. Students will complete a series of projects and gain a better understanding of how to use digital camera's, scanners, and digital video to create slideshows and DVD movies. Students will also get the opportunity to convert old VHS tapes into digital video to create DVD projects.

? Web Page Design

Grade: 11-12

Prerequisite: Advanced Computers or Computer Applications II with instructor approval

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall

Required: No

Course Description

The course is an introduction to the theory and application of web page design using FrontPage. Students will produce several different types of web pages. This hands-on course will cover the purpose, design concepts and creation of web pages. Students will learn about the role web pages play in society. Students will learn the do's and don'ts of web design through analyzing a variety of documents and through creating web pages. A major focus will be to update the Collins-Maxwell web page and keep it current.

? SCC Information Technology

Grade: 11-12

Prerequisite: Computer Applications I & II

College: DMACC- Hunziker Center

Credit: 4

Semester: Year

Required: No

Course Description

Students are provided with a foundation in the basic technologies of computer networking and will work with the beginning coursework towards both CISCO and A+ certification. Students can earn up to 14 DMACC credits in the following courses: Digital/Computer Electronics (3 credits), CISCO Networking (4), CISCO Routers (4), Linux Network Administration (3).

? SCC Web Page Design

Grade: 11-12

Prerequisite: Computer Applications I & II

College: DMACC- Hunziker Center

Credit: 4

Semester: Year

Required: No

Course Description

Students will learn the basics of creating a web page along with computer graphics using multiple software packages. 15 DMACC credits are available upon completion of all offerings: Intro to Web Development (3 credits), Dynamic HTML (3), Computer Graphics (3), Computer Graphics II (3), and Electronic Photo Editing (3).

? PSEO Computer Literacy

Grade: 10-12

Prerequisite: Computer Applications I & II

College: Online Most community colleges

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

Presents the basic concepts of computers and the effect that computers are having, and will continue to have, in the future. Incorporates theory as well as hands-on practice. Includes an introduction to Windows, Word, Excel, Access and the Internet.

? PSEO Introduction to Geographical Information Systems (GIS)

Grade: 10-12

Prerequisite: Computer Applications I & II

College: Iowa CC Online

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

Introduction to GIS This course is an introduction to some of the concepts and common tools used for geospatial analysis. Three sections of this course include the textbook (covered by the exams), online discussions, and the ESRI Virtual Campus modules containing step-by-step instructions for downloading and displaying GIS data with a . Learn about the common technology of GIS through readings assigned in the textbook. Understand the principles and application of GPS and GIS tools through readings available for download from the Internet. Learn about some of the history of GIS development, data models and representations. Understand georeferencing systems, computer hardware and GIS software. Learn about some of the sources of and methods of downloading, collecting, managing, and analyzing geospatial data.

Industrial Technology Course Numbers

Class	Semester 1	Semester 2	Year/Sem. Credits	Available
Drafting I	120	NA	Semester 1	9-12
Drafting II	NA	131	Semester 1	9-12
Drafting III	133	133	Year 2	10-12
Woodworking I	124	NA	Semester 1	10-12
Woods I	121	NA	Semester 1	10-12
Woods II	NA	122	Year 1	10-12
Principles of Technology I	137	137	Year 2	10-12
Principles of Technology II	138	138	Year 2	11-12
SCC Manufacturing Technology	315	315	Year 4	11-12
SCC Building Trades	146	146	Year 4	11-12
SCC Finish Carpentry	48	48	Year 4	12
PSEO Foundations of Carpentry	317	317	Semester 1	11-12
SCC Auto Collision	97	97	Year 4	11-12
SCC Auto Technology	52	52	Year 4	11-12

? Drafting I

Grade: 9-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: .1

Semester: Fall

Required: No

Course Description

This course is an introduction to the field of mechanical drafting. Basic concepts covered will be: paper sizes, line types, and equipment identification. Progressing to more detailed aspects like isometric, cabinet, and cavalier oblique drawings, and geometric construction.

? Drafting II

Grade: 9-12

Prerequisite: Drafting I

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Spring

Required: No

Course Description

Students will expand their mechanical knowledge and expand to architectural drawings and design.

? Drafting III

Grade: 10-12

Prerequisite: Drafting II

NCAA Clearinghouse: Not Approved

Credit: 2

Semester: Year

Required: No

Course Description

This will be an introduction to CAD and its basic fundamentals. Students will have to learn basic computer drafting programs and the capabilities that computer aided drafting has to offer. This class is limited to five students with seniors having first priority.

? Woodworking I

Grade: 10-12

Prerequisite: Drafting I

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

A major safety unit covering basic woodworking hand and power tools will be completed. A safety test score of 94% or better must be achieved before the student can begin their five small projects assigned by the instructor. Students are required to purchase their own materials.

? Woods I

Grade: 10-12

Prerequisite: Woodworking I

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall

Required: No

Course Description

Students work toward completion of individually selected projects with the instructor's prior approval. Students are required to purchase their own materials.

? Woods II

Grade: 11-12

Prerequisite: Woods I

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Spring

Required: No

Course Description

Students will work on finer points of cabinetmaking and refinishing while working towards completion of a major project. Students are required to purchase their own materials.

? Principles of Technology I

Grade: 10-12

Prerequisite: Algebra I or taking simultaneously

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: No

Course Description

This course is designed to introduce students to a world of high tech through the use of video tapes, lectures, math labs, and work station labs. The four categories of mechanics, fluid, electricity, and thermal will be studied throughout the course in a sequence designed to show the students how these areas are utilized in technology today and in the future.

? Principles of Technology II

Grade: 11-12

Prerequisite: Principles of Technology I

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: No

Course Description

This course is a continuation of Principles of Technology I with the study of mechanics, fluid, electricity, and thermal in addition to radiation and laser light.

? SCC Manufacturing Technology

Grade: 11-12

Prerequisite: None

College: DMACC- Hunziker Center

Credit: 4

Semester: Year

Required: No

Course Description

Students will learn the basics of welding, automation, machining tool operation (CNC), battle bot construction, computer-aided drafting and design (CAD), and other workplace skills. Students can earn up to 13 DMACC credits in the following courses: Engine Lathe Theory (1 credit), Engine Lathe Operations Lab (2), Mill Operations Theory (1), Milling Operations Lab I (2), Applied Material Processing (4), Machine Shop Measuring (3).

? SCC Building Trades

Grade: 11-12

Prerequisite: None

College: DMACC- Ames

Credit: 4

Semester: Year

Required: No

Course Description

This program allows students to work with an emphasis in the area of construction trades and carpentry. Students work on a job site to complete the construction of a house. Students can earn up to 15 DMACC credits.

? SCC Finish Carpentry

Grade: 12

Prerequisite: SCC Building Trades

College: DMACC- Ames

Credit: 4

Semester: Year

Required: No

Course Description

This program is a continuation of the building trades program. Students will have a chance to put the finishing touches on a house such as putting in trim and building cupboards. Up to 15 DMACC credits can be earned.

? PSEO Foundations of Carpentry

Grade: 12

Prerequisite: Woods I

College: Online ECC

Credit: 4

Semester: Year

Required: No

Course Description

This course will introduce students to basic skills in construction and provide a comprehensive overview of OSHA safety rules, use of tools in the construction trade, and exposure to different trades in construction. This will be the first course contracted to secondary schools.

? SCC Auto Collision

Grade: 11-12

Prerequisite: None

College: DMACC- Hunziker Center

Credit: 4

Semester: Year

Required: No

Course Description

Introduces students to the highly technological auto collision industry. Students gain experience in the areas of basic shop operations and procedures, welding, painting, and shop safety. Students can earn up to 15 DMACC credits.

? SCC Auto Technology

Grade: 11-12

Prerequisite: None

College: DMACC- Hunziker Center

Credit: 4

Semester: Year

Required: No

Course Description

Designed to prepare students for employment in the high technology automotive service industry. Students gain experience with shop tools, automotive engines, brakes, suspension and alignment. Students can earn up to 13 DMACC credits.

Agriculture Course Numbers

Class	Semester 1	Semester 2	Year/Sem. Credits	Available
Intro to Agriculture	180	NA	Semester 1	9-12
Animal Care & Production	NA	183	Semester 1	9-12
Animal Science	NA	117	Semester 1	10-12
Natural Resources	116	NA	Semester 1	10-12
Innovations in Ag	NA	182	Semester 1	10-12
Horticulture I	181	NA	Semester 1	10-12
Horticulture II	NA	184	Semester 1	10-12
Ag Welding	132	NA	Semester 1	10-12
Ag Mechanics	115	115	Year 2	11-12
SCC Caterpillar/ Diesel Technology	96	96	Year 4	11-12
PSEO Intro to Renewable Resources	450	450	Semester 1	11-12
PSEO Environmental Conservation	451	451	Semester 1	11-12
PSEO Ag Chemicals & Fertilizers	453	453	Semester 1	11-12
PSEO Principles of Crop Production	454	454	Semester 1	11-12
PSEO Applications of Global Positioning	455	455	Semester 1	11-12
PSEO Fundamentals of Soil Science	456	456	Semester 1	11-12
PSEO Intro to Technical Chemistry	457	457	Semester 1	11-12
PSEO Veterinary Medical Terminology	458	458	Semester 1	11-12
PSEO Swine Management	459	459	Semester 1	11-12
PSEO Grain Merchandising	500	500	Semester 1	11-12
PSEO Animal Breeding & Production	501	501	Semester 1	11-12
PSEO Principles of Animal Production	502	502	Semester 1	11-12

? Introduction to Agriculture

Grade: 9-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall

Required: No

Course Description

Opportunities for employment in areas of agriculture including: business, sales and service, production agriculture, horticulture, natural resources, mechanics, and products and processing are explained through practical, hands-on experiences, trips, and activities.

? Animal Care & Production

Grade: 9-12

Prerequisite: Introduction to Agriculture

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Spring

Required: No

Course Description

Care, nutrition, handling, and nomenclature of domestic livestock and pets comprise this course. Meat evaluation, nomenclature, and quality are explored.

? Animal Science

Grade: 10-12

Prerequisite: Animal Care & Production

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Spring

Required: No

Course Description

This class is an in-depth course for people interested in farm animals. Anatomy of beef, swine, poultry, horses, and other animals will be covered. Advanced animal nutrition, and animal health and production will also be discussed.

? Natural Resources

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall

Required: No

Course Description

This class will cover the basics of defining natural resources and how to properly manage them. Emphasis will be placed on how to care for land and preserve the environment. Other areas covered include: hunting, trapping, aquaculture, taxidermy, building wildlife nesting structures, and forestry.

? Innovations in Agriculture

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Spring

Required: No

Course Description

Use of technologies involved with soil structures, erosion control, testing, and fertility are incorporated into lab experiences. A natural resources unit discusses aquaculture and wildlife. Modern livestock techniques in embryo transfer and artificial insemination are explained. Mechanical innovations are also explored.

? Horticulture I

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall

Required: No

Course Description

Propagation of plants and the functions of their parts are instructed through hands-on labs. Care and maintenance of plants in home and greenhouse structures is discussed and applied to lab situations. Students also experience floriculture and terrariums.

? Horticulture II

Grade: 10-12

Prerequisite: Horticulture I

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Spring

Required: No

Course Description

Landscape design and implementation, lawn care, pruning and grafting trees, and fruit and vegetable gardening provide hands-on activities for this course. Units on equipment maintenance and horticulture sales and interview are included.

? Ag Welding

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall

Required: No

Course Description

Students will learn the fundamentals of arc, mig, and oxy-acetalene welding and brazing. After completing a series of required welds, students will complete a project of their own choosing and design.

? Ag Mechanics

Grade: 9-12

Prerequisite: Intro to Ag and Ag Welding

NCAA Clearinghouse: Not Approved

Credit: 2

Semester: Year

Required: No

Course Description

This class will cover tractor restoration. This will include engine overhaul, maintenance, and tune-up. Students will disassemble and engine, diagnose failed parts or troubled spots, clean and reassemble it. The paint part of this class will be spent learning how to prepare metal for painting. This includes: repair of rusted metal, use of metal tools, mixing of body filler, use of body tools, mixing of paints and primers, and use of the spray gun.

? SCC Caterpillar/Diesel Technology

Grade: 9-12

Prerequisite: None

College: DMACC-Ankeny

Credit: 4

Semester: Year

Required: No

Course Description

Prepares students for a career in the area of diesel repair. Instruction is in the repair, maintenance, and testing of diesel engines, power trains, and components of trucks and construction equipment. Class and lab activities include the design, operation and repair of drive train components including clutches, manual transmissions, drive lines, rear axles and wheel bearings. The study of basic mobile hydraulics will be examined. Introduces principles, components, fluid systems and circuits of hydraulic systems. Vehicle braking includes study of hydraulic and air brake systems. 11 DMACC credits granted.

? PSEO Introduction to Renewable Resources

Grade: 1-12

Prerequisite: Natural Resources

College: Guided Study Iowa Central

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

Overview of soil, water, plants, and animals as renewable natural resources in an ecosystem context. History and organization of resource management. Concepts of integrated resource management.

? PSEO Environmental Conservation

Grade: 11-12

Prerequisite: Natural Resources

College: Online DMACC

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

This course combines the basic principles of ecology with current environmental issues. Includes energy, land use, pesticides, and pollution. Wildlife, fisheries, forestry, soil and water conservation practices are emphasized.

? PSEO Ag Chemicals & Fertilizers

Grade: 11-12

Prerequisite: Intro to Ag

College: Online Kirkwood

Credit: 1

Semester: As Available

Required: No

Course Description

This course is designed to give the student a background in agricultural fertilizers and chemicals. The essential nutrients and how they work to get into the plant are discussed in detail. The chemical portion of the class prepares the student to pass the (core, weeds, and insects) portion of the commercial chemical applicator license.

? PSEO Principles of Crop Production

Grade: 11-12

Prerequisite: Intro to Ag

College: Online Kirkwood

Credit: 1

Semester: As Available

Required: No

Course Description

This course provides a background in the field of agronomy. The terms and concepts of agronomy from plant physiology to planting to breeding to harvest are covered in the course. The interactions involved in plant production are also discussed. This course provides the theoretical background for plant production.

? PSEO Applications of Global Positioning

Grade: 11-12

Prerequisite: None

College: Kirkwood

Credit: 1

Semester: As Available

Required: No

Course Description

This course is designed to be an introductory course into global positioning systems and geographical information services and how they are used in agriculture today to improve production.

? PSEO Fundamentals of Soil Science

Grade: 11-12
Prerequisite: Intro to Ag
College: Kirkwood

Credit: 1
Semester: As Available
Required: No

Course Description

Fundamentals of Soil Science studies physical and chemical properties of soil, soil formation, and classification. It also studies the essential plant nutrients and their availability in soil. This course balances theoretical and practical aspects of soil fertility and includes soil testing and fertilizer products. This is a "transfer" course equivalent to Agronomy 154 at Iowa State University, and it will transfer to most other universities as well. This is typically the first college soils course and covers both the physical and chemical nature of soil.

? PSEO Introduction to Technical Chemistry

Grade: 11-12
Prerequisite: Chemistry
College: Kirkwood

Credit: 1
Semester: As Available
Required: No

Course Description

Introduction to Technical Chemistry provides a background in general chemistry that will enable the student to succeed in clinical chemistry. The laboratory exercises will allow students to learn physical chemical properties and work more efficiently in the laboratory experience in industry. This course is designed for students with a "Life Science" interest and would fit well into an Agriculture or Health Science curriculum. It combines inorganic and organic chemistry.

? PSEO Veterinary Medical Terminology

Grade: 11-12
Prerequisite: Animal Science
College: Kirkwood

Credit: 1
Semester: As Available
Required: No

Course Description

Veterinary Medical Terminology is designed to help prepare the student for effective communication in the veterinary environment. Students will have the opportunity to practice written communication skills and reading comprehension. The successful student must be self-motivated.

? PSEO Swine Management

Grade: 11-12
Prerequisite: Animal Science
College: Online NICC

Credit: 1
Semester: As Available
Required: No

Course Description

Skill development in swine management from breeding through marketing. Discusses health, nutrition, environmental control, and ability to identify superior producing animals for breeding under various conditions. Familiarization with the pork quality assurance program and good husbandry techniques.

? PSEO Grain Merchandising

Grade: 11-12
Prerequisite: Intro to Ag
College: Online NICC

Credit: 1
Semester: As Available
Required: No

Course Description

Explains the function of the country elevator in the agriculture industry. How basis trading presents an opportunity for the elevator to manage risk and improve margins on the grain commodities it handles. Covers the day-to-day tasks that make a merchandising operation run smoothly as well as how a country elevator can help producers improve profit levels and limit risk.

? PSEO Animal Breeding & Reproduction

Grade: 11-12

Prerequisite: Animal Science

College: ICN NICC

Credit: 1

Semester: As Available

Required: No

Course Description

Increases understanding of animal genetics, breeding systems, and male and female reproductive organs. Breeding information analysis, heat detection, and keeping reproduction records are skills covered in this course.

? PSEO Principles of Animal Production

Grade: 11-12

Prerequisite: Animal Science

College: ICN NICC

Credit: 1

Semester: As Available

Required: No

Course Description

Explores breeds, basic management, and marketing of farm animals. Includes topics on beef and dairy cattle, companion animals, horses, poultry, sheep, and swine.

FINE ARTS

Art Course Numbers

Class	Semester 1	Semester 2	Year/Sem. Credits	Available
Art I	30	30	Semester 1	9-12
Art II	34	34	Semester 1	9-12
Art III	33	33	Semester 1	10-12
Art IV	31	31	Semester 1	10-12
Art V	32	32	Semester 1	11-12
Art VI	35	35	Semester 1	11-12
PSEO Art Appreciation	460	460	Semester 1	11-12
PSEO Humanities Through the Arts	461	461	Semester 1	11-12
PSEO Intro to Theatre	462	462	Semester 1	11-12
PSEO Film Analysis	511	511	Semester 1	11-12
PSEO American Cinema	512	512	Semester 1	11-12

Music Course Numbers

Class	Semester 1	Semester 2	Year/Sem. Credits	Available
Introduction to Voice I	159	159	Semester 1	10-12
Introduction to Voice II	148	148	Semester 1	10-12
Vocal Music	155	155	Year 1	9-12
Instrumental Music	157	157	Year 1	9-12
PSEO Music Appreciation	344	344	Semester 1	11-12
PSEO Music Theory	345	345	Semester 1	11-12
PSEO History of Rock And Roll	210	210	Semester 1	11-12

? Art I

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall

Required: No

Course Description

Intro to 2 dimensional art. Areas of study include drawing and design; painting basics; printmaking basics using both lino block prints and screen-printing.

? Art II

Grade: 10-12

Prerequisite: Successful completion of Art I

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Spring

Required: No

Course Description

Intro to 3 dimensional art. Areas of study include mosaic tile trivets; stained glass sun catchers; clay pottery construction; and soapstone carving.

? Art III

Grade: 11-12

Prerequisite: Art II and Instructor Approval

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall

Required: No

Course Description

Advanced 2 dimensional art. Advanced areas of study include drawing and painting; how to build a frame and stretch canvas for painting; alkyd (oil) painting; advanced photo emulsion screen-printing methods.

? Art IV

Grade: 11-12

Prerequisite: Art III and Instructor Approval

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Spring

Required: No

Course Description

Advanced 3 dimensional art. Advanced areas of study include mosaic tiles; stained glass; clay pottery construction with an intro to the potter's wheel; and soapstone or alabaster carving.

? Art V-VI

Grade: 12

Prerequisite: Art IV/Art V and Instructor Approval

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

Advanced art seminar. Students will work in media areas of their choice. They will also work on their electronic art portfolio and a senior art show.

? PSEO Art Appreciation

Grade: 11-12

Prerequisite: None

College: Most community colleges online

Credit: 1

Semester: As Available

Required: No

Course Description

This course is a general survey course in the visual arts. This course is designed to give the student an understanding and awareness of art in relationship to his/her environment.

? PSEO Humanities through the Arts

Grade: 11-12
Prerequisite: None
College: Online DMACC

Credit: 1
Semester: As Available
Required: No

Course Description

An interdisciplinary course exploring the human condition through literature, painting, sculpture, architecture, music and dance. The course examines the cultural context of individual works and movements, on the thematic relationships between the arts and the relevance of the arts in our lives today.

? PSEO Introduction to Theatre

Grade: 11-12
Prerequisite: None
College: Iowa CC Online

Credit: 1
Semester: As Available
Required: No

Course Description

Introduction to Theatre helps the student develop an awareness of and an appreciation for theatrical arts and its impact on Western Civilization. This course traces the history of plays and the major developments with regards to genre, architecture, design and production aspects over the course of 2,500 years.

? PSEO Film Analysis

Grade: 11-12
Prerequisite: PSEO Composition I
College: Online Kirkwood

Credit: 1
Semester: As Available
Required: No

Course Description

This is a course that focuses on the methods and technologies of film art. The emphasis is upon analysis of classic narrative film. Subjects for analysis include narrative structure, segmentation, shot-by-shot breakdown, elements of mise-en-scene and montage, auteurs, genres, production considerations, and conventions.

? PSEO American Cinema

Grade: 11-12
Prerequisite: PSEO Composition I
College: Online NICC

Credit: 1
Semester: As Available
Required: No

Course Description

An introductory course in film studies, surveying the American film industry as an art form, as an industry, and as a system of representation and communication. Explores how American film making works technically, aesthetically, and culturally to reinforce and challenge America's national self-image.

? Vocal Music

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

Credit: 1
Semester: Year
Required: No

Course Description

Mixed choir with opportunities for small group and solo work. Students are required to perform in the Lasagna Dinner, two concerts, large group contest, and the musical chorus. Class requirements include weekly private lessons, concert attendance, tests, etc. Lettering is based on grades, concert attendance, and participation/attitude. There will be some required rehearsals outside the school day. These may include a dress rehearsal for the Lasagna Dinner as well as morning, weeknight, and/or Saturday rehearsals for the musical. Honor and festival choir opportunities are available.

? Introduction to Voice I

Grade: 10-12

Prerequisite: One year of vocal music

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

Voice class is the study of the human voice, how it works, and what we can do with it. We will study the anatomy of the singing apparatus, how to produce beautiful sound, vocal care, ear training, music theory, sight singing, musical styles, performance etiquette, and music occupations.

? Introduction to Voice II

Grade: 10-12

Prerequisite: Intro to Voice I

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

Continuation of studies done in Voice I, with more in-depth analysis and performance expectations.

? Instrumental Music

Grade: 9-12

Prerequisite: MS Band or Instructor Approval

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Year

Required: No

Course Description

Students will participate in concert, marching, and pep bands. Students are required to perform in three concerts and at large group contest. Attendance is required at all home football and basketball games. All students will have a weekly lesson. Opportunities to participate in honor bands and small group contest will be available.

? PSEO Music Appreciation

Grade: 9-12

Prerequisite: None

College: Online most community colleges

Credit: 1

Semester: Spring or Fall

Required: No

Course Description

A survey of the development of western art music through study of representative compositions of many periods and styles. Includes definitions of musical terminology and a major emphasis on listening.

? PSEO Music Theory

Grade: 11-12

Prerequisite: None

College: Online ECC

Credit: 1

Semester: Spring or Fall

Required: No

Course Description

Examines the basic materials of music, which include notation, scales, intervals, chords, melody, harmony, rhythm, and texture. Other areas of analysis take in cadence types, chord inversions, figured bass harmonization, and principles of part writing based on 18th century models. Introduces fundamentals of the aural skills, ear training, and sight singing.

? PSEO History of Rock & Roll

Grade: 11-12

Prerequisite: None

College: Online SWCC

Credit: 1

Semester: Spring or Fall

Required: No

Course Description

A study of Rock and Roll from the mid 1950s to the present. Designed to create critical listeners of popular culture music through analysis of song forms, rock band instrumentation, and the political, cultural, and social significance of song lyrics.

Foreign Language Course Numbers

Class	Semester 1	Semester 2	Year/Sem. Credits	Available
Spanish I	7	7	Year 2	9-12
Spanish II	8	8	Year 2	10-12
Spanish III	9	9	Year 2	11-12
Spanish IV	10	10	Year 2	12
AP Spanish	506	506	Year 2	11-12
Non-PSEO French I	485	485	Semester 1	11-12
Non-PSEO French II	486	486	Semester 1	11-12
AP French	507	507	Year 2	11-12
Non-PSEO German I	487	487	Semester 1	11-12
Non-PSEO German II	488	488	Semester 1	11-12

Colleges have different admission requirements regarding foreign language and students should check on specific college requirements. Most two year colleges do not require foreign language while most four year colleges require two to three years of the **same foreign language in high school.*

***French and German are taught through the ICN and may or may not be offered at times that are concurrent to class period times at Collins-Maxwell.*

? **Spanish I**

Grade: 9-12

Prerequisite: None

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: No

Course Description

Spanish I is taught with an oral approach. The goal of the course is to provide students with enough proficiency to express their basic needs and wants in Spanish. The lesson provide flexible materials, such as dialogue, questions, pronunciation, new vocabulary, translation, written and oral usage, and testing. The textbook introduces new materials in theme units in a manner that doesn't overwhelm or frustrate beginning language students. The textbook materials are supplemented by question and answer drills for oral practice.

? **Spanish II**

Grade: 10-12

Prerequisite: C or higher in Spanish I

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: No

Course Description

Every language skills is emphasized as being important. Spanish II reviews previously learned vocabulary and structures in a fresh context. Students read, write, and speak in the target language. The goal of the course is to produce students who are not culture-bound and who are willing and ready to speak Spanish in a foreign country.

? **Spanish III**

Grade: 11-12

Prerequisite: C or higher in Spanish II

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: No

Course Description

Continues the study of the language begun the first two years. The grammar will be expanded to include three more tenses, and the vocabulary will greatly increase. Students will study more about the culture and the geography of Spanish speaking countries. This class will help prepare students for college level Spanish classes.

? **Spanish IV**

Grade: 12

Prerequisite: C or higher in Spanish III

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: No

Course Description

Continues the study of Spanish grammar and vocabulary. Emphasis is placed on building conversational skills. Also included will be a large selection of readings from well known Spanish authors.

? **AP Spanish**

Grade: 11-12

Prerequisite: C or higher in Spanish III

College: U of Iowa

Credit: 2

Semester: Year

Required: No

Course Description

In AP Spanish Language students will gain the ability to comprehend formal and informal spoken Spanish. Students will also acquire vocabulary and grasp of structure to allow easy, accurate reading of newspapers, magazine articles, and modern literature in Spanish. Students will also gain the ability to compose expository passages and express ideas orally with accuracy and fluency.

? French I

Grade: 10-12

Prerequisite: English 9

NCAA Clearinghouse: Not Approved

Credit: 2

Semester: Year

Required: No

Course Description

ICN: Students are introduced to basic fundamentals of the French language and develop an active vocabulary; are able to participate orally with small groups using proper French grammar; learn to read, write and comprehend printed French materials.

? French II

Grade: 11-12

Prerequisite: English 9

NCAA Clearinghouse: Not Approved

Credit: 2

Semester: Year

Required: No

Course Description

ICN: Students are introduced to basic fundamentals of the French language and develop an active vocabulary; are able to participate orally with small groups using proper French grammar; learn to read, write and comprehend printed French materials.

? AP French

Grade: 11-12

Prerequisite: French II

College: U of Iowa

Credit: 2

Semester: Year

Required: No

Course Description

Students will learn how to understand spoken French in various contexts. They will learn a French vocabulary that is sufficient for reading the newspaper, magazine articles, literary texts, and other non-technical writings without dependence on a dictionary. Students will learn to express themselves coherently, resourcefully, and with reasonable fluency and accuracy in both written and spoken French.

? German I

Grade: 10-12

Prerequisite: English 9

NCAA Clearinghouse: Not Approved

Credit: 2

Semester: Year

Required: No

Course Description

ICN: Students are introduced to basic fundamentals of the German language and develop an active vocabulary; are able to participate orally with small groups using proper German grammar; learn to read, write and comprehend printed German materials.

? German II

Grade: 11-12

Prerequisite: English 9

NCAA Clearinghouse: Not Approved

Credit: 2

Semester: Year

Required: No

Course Description

ICN: Students are introduced to basic fundamentals of the German language and develop an active vocabulary; are able to participate orally with small groups using proper German grammar; learn to read, write and comprehend printed German materials.

Health Course Numbers

PE required every semester

Class	Semester 1	Semester 2	Year/Sem. Credits	Available
Fresh/Soph PE	141	141	Year .5	9-10
Junior/Senior PE	143	143	Year .5	11-12
Weight & Speed	144	144	Year 1	9-12
Dance	341	341	Year 1	9-12
Health*	150	150	Semester 1	9
Family Health	71	NA	Semester 1	11-12
Health Occupations I	91	91	Year 2	10-12
Health Occupations II	92	92	Year 2	11-12
SCC Health Occupations	470	470	Year 4	11-12
SCC Certified Nurse Assistant	57	57	Semester 2	11-12
PSEO Athletic Dev. & Human Growth	470	470	Semester 1	11-12
PSEO Contemporary Health Issues	471	471	Semester 1	11-12
PSEO Medical Terminology I	307	307	Semester 1	11-12
PSEO Medical Terminology II	309	309	Semester 1	11-12
PSEO Intro to Wellness	472	472	Semester 1	11-12
PSEO Health	473	473	Semester 1	11-12
PSEO Technical Chemistry		474	Semester 1	12

*This course is required for graduation.

? Freshmen/Sophomore PE

Grade: 9-10

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: .5

Semester: Year

Required: No

Course Description

This class will focus on team building and fitness activities. The classes will use team activities like football, volleyball, basketball, wrestling, and softball. We will also do fitness testing.

? Junior/Senior PE

Grade: 11-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: .5

Semester: Year

Required: No

Course Description

In this class, students will learn how to maintain a healthy lifestyle. Activities will include fitness testing, disc golf, aerobics, dance, weight training, and other activities that can be done after graduation.

? Weight & Speed PE

Grade: 9-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Year

Required: No

Course Description

Students will focus on increasing strength, power, agility, and speed. The students will weight train on Monday, Wednesdays and Fridays. Tuesdays and Thursdays would consist of speed and agility training. The class will be based on the Bigger, Faster, Stronger Program. Students would spend five days a week in PE.

? Dance PE

Grade: 9-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: .5

Semester: Year

Required: No

Course Description

This class will be divided into dance one semester with aerobics the other semester. Dances covered will be ballroom, square, line, and folk. Many varieties of aerobics will be used.

? Health

Grade: 9

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

This class will provide information to high school students so they can make decisions based on health information. Areas to be covered include wellness, personal grooming, nutrition, drugs, sexually transmitted diseases, human reproduction, alcohol, safety, and emergency care.

? Family Health

Grade: 11-12

Prerequisite: Health

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall

Required: No

Course Description

Students will try to better understand themselves and will study healthy life styles. Some units covered: mental health, mental disorders, stress, self-concepts, values, nutrition, general health, family systems, marriage and parenthood, and the life cycle (birth to death). This course will include a lot of large/small group discussion.

? Health Occupations I

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 2

Semester: Year

Required: No

Course Description

Health occupations is a program of study in the fundamentals of the health occupations. It provides opportunities to discover the complex arena of the health care delivery system, identify personnel employed in health care, and develop basic skills for employment which does not require a health occupation's credential. Note: 10 hours of job shadowing is a required component for this course and may have to be scheduled outside the school day at an area health facility. Each enrolled student will have to provide for his/her own transportation. A possible site would be the Story County Hospital in Nevada. Although no license is necessary to enroll in this class, each student will earn Red Cross CPR and Red Cross First Aid certificates. This course may involve lifting and physical agility.

? Health Occupations II

Grade: 10-12

Prerequisite: Health Occ I

NCAA Clearinghouse: Not Approved

Credit: 2

Semester: Year

Required: No

Course Description

This course is offered independent study and can be taken during any study hall. In this class, we will do more in depth studying of the human body in health and disease. There is also an in-depth study of medical terminology. If you enjoyed the first year and are serious about going into the health field, then this class will be a tremendous help to you in furthering your medical education.

? SCC Health Occupations

Grade: 11-12

Prerequisite: None

College: DMACC- Mary Greeley Hospital Ames

Credit: 4

Semester: Year

Required: No

Course Description

This program will provide students with the opportunity to explore careers in health care. Topics include an introduction to health careers, emergency care, medical terminology, nurse aid, and advanced nurse aid. Students can earn up to 13 DMACC credits in the following courses: Medical Terminology (3 credits), Survey to Health Careers (1), Intro to Health Careers (3), Emergency Care (1), Nurse Aide 75 Hours (3), Advanced Nurse Aid (3). Courses require extended lab time in the evening.

? SCC Certified Nurse Assistant

Grade: 12

Prerequisite: None

College: DMACC Nevada

Credit: 2

Semester: Fall or Spring

Required: No

Course Description

This is a semester-long certification program for students interested in becoming a CNA. 6 DMACC Credits are available from the courses Nurse Aid 75 Hours and Advanced Nurse Aid.

? PSEO Medical Terminology I

Grade: 11-12

Prerequisite: None

College: Online most community colleges

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

Builds a medical vocabulary through an understanding of anatomic roots for words denoting body structures, prefixes, suffixes, and body functions.

? PSEO Medical Terminology II

Grade: 11-12

Prerequisite: PSEO Medical Term I

College: Online most community colleges

Credit: .1

Semester: Fall or Spring

Required: No

Course Description

Continues to build a medical language vocabulary by studying body systems such as musculoskeletal, endocrine, nervous, and integumentary systems.

? PSEO Health

Grade: 11-12

Prerequisite: None

College: Online ECC

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

Study of several of the dimensions of personal health with emphasis on the physical and emotional dimensions. Principles of a healthy lifestyle and how these principles apply to their own behavior.

? PSEO Introduction to Wellness

Grade: 11-12

Prerequisite: None

College: Iowa CC Online

Credit: 1

Semester: Fall or Spring

Required: No

Course Description

This is an introductory level course designed to expose students to a wide array of physical fitness activities as well as nutritional factors, health risk factors, and stress reduction techniques. The focus of this course will be to explore wellness in holistic terms, not just in physical fitness terms.

? PSEO Introduction to Technical Chemistry

Grade: 11-12

Prerequisite: Chemistry

College: Kirkwood

Credit: 1

Semester: As Available

Required: No

Course Description

Introduction to Technical Chemistry provides a background in general chemistry that will enable the student to succeed in clinical chemistry. The laboratory exercises will allow students to learn physical chemical properties and work more efficiently in the laboratory experience in industry. This course is designed for students with a "Life Science" interest and would fit well into an Agriculture or Health Science curriculum. It combines inorganic and organic chemistry.

Miscellaneous Course Numbers

Class	Semester 1	Semester 2	Year/Sem. Credits	Available
Driver's Education	140	140	Summer .5	9-12
Work Experience	145	145	Semester 1	11-12
PSEO College Orientation	480	480	Semester 1	12

? **Driver's Education**

Grade: 12

Prerequisite: None

NCAA Clearinghouse: Not Approve

Credit: .5

Semester: Summer

Required: No

Course Description

Consists of 36 hours. There are 30 hours of classroom instruction and 6 hours of behind the wheel actual driving. A student must successfully complete both phases. Student fee is \$265.

? **Work Experience**

Grade: 12

Credit: 1

Prerequisite: Teacher and Counselor Approval, successful pre-placement interview, chosen career pathway position availability, job shadow experience, own transportation

Semester: Fall or Spring

NCAA Clearinghouse: Not Approved

Required: No

Course Description

Students will experience actual working conditions in an occupation within their chosen career pathway. Placement will be coordinated by the school and will be with non-family members or relatives. Current employment will not be considered. The experience will be during the school day for a minimum of one hour. However, additional time may be arranged with the employer. Students will have to sign and abide by a "Student Agreement," prior to and during this work experience. Additional documentation will be required. The work experience can count as one of the five required academic classes for the semester.

? **PSEO College Orientation**

Grade: 12

Credit: 1

Prerequisite: None

Semester: Fall

College: Taught by Mrs. Nolin through DMACC

Required: No

Course Description

This course is designed to introduce students to college resources, services, and expectations and to assist them in gaining maximum benefit from their college experience.