

PANORAMA HIGH SCHOOL COURSE DESCRIPTION BOOKLET  
2021-22

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PHS Course Descriptions (alpha by subject area) Total Records: 270 [Simple HTML table](#)[Export to Excel](#)[Export to PDF](#)

Curricular Area

Course ...	Course ###	Description
<b>Curricular Area: Agriculture</b>		
Begin Agri	1021	Begin Agriculture - Provides the framework for your next four years in high school if you want to be involved in agricu about all the opportunities there are in the organization, helping to make the most of their FFA experience. Class is s projects. FRESHMEN are encouraged to take this course but it is NOT required to take other ag classes. (Afternoon
Agronomy	1118	Mr. Hamiester added to agriculture program 2021-22 as a 80 minute one term course.Agronomy courses combine cc coverage of the production functions of the agricultural industry. These courses typically cover such topics as care ar and animal insect and disease control, efficient resource management, and farm management.
Animal Science 2; Part 1 of 2	1119	HS Animal Science course, within agriculture curriculum; 45 minutes daily earns 0.5 PHS credit in one term and is fir
Animal Science 2; Part 2 of 2	1121	Animal Science 2 Part 2 is a continuation of course #1119 (each part is taken daily at 45 min. for 0.5 credit each).
AGH106 DMACC Intro Hort 1	1123	DMACC's AGH106, Introduction to Horticulture, 3 DMACC Credits &1 Panorama HS Elective Credit, delivered by Mr horticulture. Includes plant anatomy and physiology, plant classification and identification, and basic plant care. Oper
NRC: hunter ed & soils	1124	Fall, 1 PHS credit course; This Natural Resource Conservation class focus is on hunter education and soil types. Op
Vet Tech 1 T1 of 2	1200	Open to PHS grades 9, 10, 11, 12Part 1 of 2This course is designed to introduce all students at the high school level in animals, and the impact of toxins and poisons on animal health.
Vet Tech 1 T2 of 2	1201	Part 2 of Vet Tech elective Agriculture course
Horticulture 2	123	Continuation from Horticulture 1/Botany (science course); credit for Horticulture 2 is One Agriculture Credit - Student or scientists will get a knowledge of plants' evolutionary relationships, life cycles, reproduction, and are cared for duri propagated by students and greenhouse production will be applied.
NaturalRes... Fishing	124	Spring, 1 credit course; Soil, water, wildlife, fishing, and GPS Systems will be discussed. Much of the course will incl Iowa Program. Students interested in fishing, hunting, and the great outdoors may find this class enjoyable .
Ag Machine Prt1	125	Ag Machine Part 1; tractor restoration (mcechanical and auto body repair/painting) is the main focus. Students may t bring in your own project it is highly recommended that you register for both terms. All projects list as an FFA project HANDS ON- NO BOOKS!
Ag Machine Prt2	126	Ag Machines P2, continued tractor restoration (mechanical and auto body repair/painting)
Ag Mech/Const - Wrk Exp Ind	130	Agricultural Mechanics and Construction—Workplace Experience Independent (see instructor, Mr. Hameister, for inte Experience courses provide workexperience in fields related to agricultural mechanics and construction. Goals are ty students are not necessarily paid). These courses may include classroom activities as well, involving further study of the workplace. Projects need to be ag related and students should have taken an ag course prior to taking an Indepe
Agri Metal/Weld 1	131	Agro Metals/Welding 1; learn the art of oxy-acetylene welding/cutting, arc welding, plasma cutting, & MIG wire feed v for personal use or sale. HIGHLY HANDS ON.
AgriMetal/... 2	132	Agri Weld 2 is also 1 credit - continuation of Welding 1 and is more project based in nature, often taken before joining
Agri Precision Tech P1 of 2	764	Agri Business - New technologies that have impacted agriculture production and business, such as, GPS are covere for nine weeks).
Ag Precision Tech P2 of 2	765	Ag Precision Tech Part 2 - from GPS system use to social media marketing, part two of course (earning 0.5 PHS cre
FFA	771	FFA record book keeping; work closely with instructor to document local FFA chapter financial situations

Recordkee...

**Curricular Area: Art**

Art History 1 (9-9:40am)	155	Art History course introduces students to significant works of art, artists, and artistic movements that have shaped the emphasis on the evolution of art forms, techniques, symbols, and themes. Open to all HS grades.
Intro to Art	156	Introduction to art concepts, mediums, encouraged before taking other art courses. FRESHMEN encouraged to take during HS.
Drawing 1	157	Drawing - introduction for techniques and individual expression through drawing
Drawing 2	158	Drawing 2 - in cooperation with instructor, develop plan to demonstrate advanced drawing technique and expression
Painting	159	Painting - introduction of design elements through two dimensional painting technique and design
Painting 2	160	(05057) in cooperation with instructor, complete plan to demonstrate advanced painting technique and design knowl
Ceramics I	162	Ceramics - introduction to design and create using pottery wheel and sculpting techniques
Graphic Design	164	Graphic Design - learn photography, print screening, and basic art production techniques for sale
Art Studio	166	Art Studio - in cooperation with instructor, complete plan to use existing knowledge as foundation for continued learn work (may be used for institutional arts admissions)
Ind Art	167	Student must have teacher permission to take this course. Independent projects often help student prepare for admi
Photography P1 of 2 (0.5 cr)	2167	Photography, Part 1 of 2 , 0.5 credit for each; students learn the process of making a black and white print from start i film, expose and develop their own prints in the darkroom, as well as mat, display and critique final prints. Elements o course. The course concludes with a brief introduction to digital photography.
Photography 1 P2 of 2	2168	Must have taken Photography 1 with success...if uncertain please speak with instructor before requesting this Photo
ART101 DMACC ArtApprec	226	DMACC's Art Appreciation, 3 college credits and 1 PHS credit, available as an independent online DMACC course; / artists and their lives, styles and media. The student will use art to recognize global cultural diversity and connect to / students in Gr. 9, 10, 11, 12
Graphic Design 1 Part 1 of 2	374	First half of content from course #164 (photography, print screening, and basic art production techniques for sale)
Graphic Design P2 of 2	375	Graphic Design 1 Part 2 is second half of content in course #164 (photography, print screening, and basic art produc

**Curricular Area: Business and Office Education**

Personal Finance (block)	1001	Beginning with graduation class of 2020, This course is required before the end of Grade 12. Banking and Finance c and banking systems, as well as types of financial institutions and the services and products that they offer. Course c money market accounts; loans; investments; and negotiable instruments. It has also been called Personal Business, learn about value of insurance , and how you can make or lose money through money management decisions.
Financial Lit. & Careers 45m	1144	Required Grade 9 course to continue academic and career planning begun in Grade 8 as well as learn how to use ex "skinny" two term section or in the #144 "block" one term section). Students complete Everfi financial literacy prograr computer formatting. This required course is followed by Personal Finance before graduation. <a href="https://everfi.com/offeri">https://everfi.com/offeri</a>
Business Theory	136	(12051) introduction to business careers, vocabulary, basic strategies and procedures. FRESHMEN and SOPHOMC courses they may want to take during HS.
Accounting 1	138	(12104) accounting is the language of business, learn how to keep track of values using credits (value) and debits (d techniques. Use of automated tools used.
Accounting 2 Part 1	139	(12104) continued topics from Accounting 1, may include standard auditing principles, preparing, budgets and final r
Accounting 2 Part 2	140	continue Accounting 2 from prior term
Computer	141	(10004) learn to use desktop computer as a tool, empower yourself as student and for employment, specifically data

Ap1 (45m/1term...		
Investments (.5cr)	142	This course number explores options for making profit or losing values/money from buying shares of companies
Financial Lit. & Careers blk	144	(12001G) Required for 9th Graders, 1 PHS credit - expose student to the occupational opportunities, emphasis place literacy & computer usage relevant to career & educational settings. (This course is an update to former Word Proce.
FIN121 DMACC Personal Finance	148	DMACC's Personal Finance/FIN121, 3 college credits & 1 PHS credit; This class is taken online by Panorama student statements, budgeting, taxes, risk management and retirement. Students often take this course after taking PHS Per Personal Finance also.
Marketing	187	(12152) - principles of selling in business environment, heavily focused on creating videos to promote local bodies (2 Wheels, 2018 = Town of Panora)
WDV101 DMACC HTML & CSS	2110	One of the courses in DMACC's Computer Programming Academy, at VanKirk Center, Perry, IA; intro to HTML & CS Introduces past and current standards of HTML and CSS. Students will code HTML and CSS web pages, test them i current CSS techniques.
MKT110 PrinMktg	224	DMACC's Principles of Marketing, 3 college general credits; MKT100Panorama students often take this course onlin higher share of customers, relief from margin erosion, and higher customer satisfaction. Explore strategies used to g applications in the areas of planning, decision-making, consumer behavior, ethics, product, price, distribution, promo

**Curricular Area: College Automotive**

AUT111 DMACC AutoTech1	1111	SCED code 20106C; AUT111 – Intro to Auto Tech IDMACC Career Academy Course Automotive Technology Progra Credits and 1 PHS creditThis course starts with an introduction to occupations with a directed focus on automotive re equipment, service information and service bulletins. The course will develop student knowledge and skills in entry le Auto Tech Year 2 has been delivered at DMACC's Carroll Center & attended by PHS Seniors in past years.
AUT112 DMACC AutoTech2	1112	SCED code 20106CAUT112 – Intro to Auto Tech IISpring/2nd Semester; M-F, 7:30-9:30am or 1:10-3:10pmPart 2 of has been delivered at DMACC's Carroll Center and attended by PHS Seniors in prior years).6 Credits This course fo class builds on the skills developed in AUT111. Students use specialized equipment, service information and service level tasks required when working in a repair related occupation. Prerequisite or Corequisite: AUT 111.

**Curricular Area: College Business**

BCA212 IntroCmptr... DMACC	154	DMACC's Intro to Computers, 3 vocational college creditsIn some years this course has been made available to HS of a the Career Academy in Perry, Iowa, called "Office /Clinic Support Assistant Certificate"
ACC111 DMACC	480	DMACC's Intro to Accounting, 3 college credits; ACC111This course is taken online by studentsIntroductory course i analyzing business data and financial statement preparation.
BUS102 DMACC Intro	481	DMACC Intro to Business (BUS102), An overview of the ever-changing world of business. Provides information in th systems and finance, as well as the role of government. BUS102 is a college credit and 1 PHS credit course, taken e Gr. 11 or 12, OR taken by students in Gr.9, 10, 11, 12 as an independent online course.
HumRelBus... MGT145 dmacc	490	(12058) Human Relations in Business, 3 college credits and 1 PHS credit, one of four courses delivered together in t importance of the development of proper attitudes toward self, others and organizational settings. Stresses the devel levels, emotions, verbal and nonverbal communication and defensiveness.
ECN120 MacroEcon... DMACC	521	DMACC's Principles of Macroeconomics, 3 college core credits; ECN120Students with strong interest in pursuing co in Gr. 11 or 12.Basic macroeconomic concepts and principles, deals with problems of resource allocation, supply anc policy, money and banking systems and elements of global finance.
ECN130 Prin Microecono...	522	DMACC's Principles of Microeconomics, 3 college core courses; ECN130Students with strong interest in pursuing cc in Gr. 11 or 12.Course covers survey of demand and supply conditions, cost structure, market structure and how the global trade.

**Curricular Area: College Criminal Justice**

CRJ100 Intro CrimJustice DMACC	460	(15051) Intro to Criminal Justice, 3 college general credits and 1 PHS credit, CRJ100 is taken online by HS students DMACC Criminal Justice Career Academy courses in Perry, Iowa - In-depth examination of the the components of th
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CRJ107 SurvCrimJ...	465	Survey Criminal Justice Agency, 3 college credits and 1 PHS credit, taken as one of four courses in the DMACC Crim the criminal justice system through an examination of actual agencies, focusing on theoretical vs. real roles and func instructor permission.
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**Curricular Area: College Health Occupations**

EMS210 Emergency... DMACC	2455	Students, must be at least 17 by first day of class (Spring semester January 10, 2022), travel to Perry, Iowa, DMACC to state certification in emergency medical technician. In addition to class time student required to attend clinical and also required. Earns 1 PHS credit Student decision whether the grade given will effect PHS GPA or not.
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**Curricular Area: College Welding**

WEL254 Inspection/... Princ.	2111	Inspections/Test Prince: Sense 1 is part of several DMACC welding courses clustered in their Year 1 Welding Career credit, 1 PHS credit
WEL266 Thermal Cut Process II	2120	DMACC WEL266 is part of their Welding Career Academy program offering a cluster of welding courses to HS stude Gr.11 or 12 (seniors given admission priority). WEL266PAC/CAC1 Focuses on proper safety, equipment setup and cur austenitic stainless steel, and aluminum. Students perform American Welding Society compliant cutting operations ir operations to remove base and weld metal in flat and horizontal positions. Prerequisite: Students must be 16 years o
WEL228 IntroWeldS... VanKirk	2228	Courses DMACC at VanKirk Center delivered in Fall and Spring of 2015-16 as Year 2 of Welding, and anticipate offe courses could be completed by individual students: WEL228/Welding Safety/Health: SENSE1 WEL244/GMAW Sh Ci Transfer WEL274/SMAW 1
WEL244 GasMetalAr... VanKirk	2244	WEL244 is Part of the DMACC WELDING Career Academy at VanKirk Center, Perry, IA (Registration open to Gr.11 cr Focuses on proper weld safety, machine setup and welding techniques of Gas Metal Arc Welding Short-Circuiting carbon steel, in flat, horizontal, vertical and overhead positions. This course will prepare students to take an AWS we SENSE Level 1 Module 5 Key Indicators 1-7.
WEL262 Manual & Mech Oxy Cuts	478	WEL 262 is OFC-I Manual & Mech: SENSE1 Part of the DMACC Welding Career Academy DMACC Credits: 2, PHS manual and mechanized OxyFuel cutting on carbon steel. Students perform American Welding Society compliant cur and gouging operations to remove base and weld metal in flat and horizontal positions on carbon steel. This course Key Indicator 7 and Module 9 - Key Indicator 1.

**Curricular Area: English**

Creative Writing P1 of 2	009	Creative Writing Part 1, 0.5 PHS credit, Gr.9-12, students will develop and improve technique and individual style po assignments daily).
English 9 P1	011	(01001) - 2.5 RAI points, 1Term, Gr.9 Required, part one of English 9's two parts - course builds upon students' prior writing to include four aspects of language use: reading, writing, speaking and listening; use of various genres of liter
English 9 P2	012	(01001) - 2.5 RAI points, 1T, Gr.9 Required, part two of English 9's two parts - course builds upon students' prior kno include four aspects of language use: reading, writing, speaking and listening; use of various genres of literature, wit
English 10 P1	013	(01002) - RAI, 2T, G10 Required, balanced focus on composition and literature. Students learn about the alternate ai creative multi-paragraph essays and compositions. Through various genres of literature, students improve their read intent and theme and to recognize the techniques used by the author to deliver a message.
English 10 P2	014	(01002) - RAI, 2T, G10 Required, balanced focus on composition and literature. Students learn about the alternate ai creative multi-paragraph essays and compositions. Through various genres of literature, students improve their read intent and theme and to recognize the techniques used by the author to deliver a message.
English 11 P1	015	(01103) - RAI, 2T, G11 Required, course continues to deveop students' writing skills, emphasizing clear, logical writir to learn techniques of writing research papters. Students continue to read works of literature, write, discuss and pres
English 11 P2	016	(01103) - RAI, 2T, G11 Required, course continues to deveop students' writing skills, emphasizing clear, logical writir to learn techniques of writing research papters. Students continue to read works of literature, write, discuss and pres
Ancient Literature (1cr.)	018	Ancient Literature, Permission of instructor or completion of English 11 with at least a "C", 1.0 PHS credit. Advanced focusing on the literature written during or reflecting ancient history. Students determine the underlying assumptions events, and compare the points of view of various authors. Oral discussions are common with written compositions c
Elizabethan Literature (1 cr.)	020	Elizabethan Literature; Permission of instructor or completion of English 11 with at least a "C", 1.0 PHS credit. Advan focusing on the literature written during or reflecting the Elizabethan Era. Students determine the underlying assump societal events, and compare the points of view of authors. Oral discussions are common with written compositions c

SPC101 DMACC	021	DMACC's Fundamentals of Oral Communication/SPC101, 3 college credits, 1 PHS credit, delivered in as a "virtual c (attendance to those meetings is required), and also offered in Perry, Iowa at DMACC VanKirk Center - both delivery courses opposite days. This class will meet most college English requirements, students will learn to write, prepare, ;
Speech	022	Speech; 1 PHS credit, English elective, Gr. 11 & 12 after English 11 is completed or permission of the instructor; Stud performed by the IHSSA, by learning to prepare using outlines; students will focus on the strategies to make the OR/ student.
COM703 Communica... DMACC	023	DMACC's COM703, Communication Skills, completion of English 11 or instructor permission; students will learn how exploring and evaluating technological advances in trades and industry. Adapting communication for different audien emphasized. 3 college vocational credits. This is a college vocational communication course that universities accept meet communication requirement for many DMACC vocational programs. May be delivered as a PHS 1 term 80 min for two terms.
Composition	024	(01103) - RAI, 1T, G12; PRE-REQUISITE - COMPLETION ENGLISH 11 with at least a "C"; This is THE most import research essays; focusing on MLA documentation.
Creative Writing P2 of 2	090	Creative Writing Part 2 is continuance of #009, 0.5 PHS credit, Gr. 9-12 English elective.
English 9 T3 of 4	1011	(01001) - 2.5 RAI points, Terms 1 & 2 at 45 minutes daily, Part 1 of English 9's two parts, Gr.9 Required - course buil and mechanics of writing to include four aspects of language use: reading, writing, speaking and listening; use of var
English 9 T4 of 4	1012	(01001) - Earns 2.5 RAI points, 2 terms, part 2 of English 9's two parts, Gr.9 Required, course builds upon students' writing to include four aspects of language use: reading, writing, speaking and listening; use of various genres of liter
Literature 1950-Present (1cr.)	1019	Newer literature course over contemporary authors, delivered by Mrs. Arganbright, 1 PHS credit, 2.5 RAI points
Dramatic Speech	1022	Dramatic Speech, 1 PHS Credit, English elective, Grades 9-12; learn how to develop speech skills for different audie
Journalism part 1	1150	Journalism Part 1 (Term 1 or 3 at PHS, 0.5 credit, English elective)Expository Writing is presenting reasons, explana sequencing of ideas or steps in a process. Effective expository writing should contain a main idea, supporting details and/or technical reports, use primary and secondary sources, organize materials, and write in persuasive or technice 9 students need teacher permission to join, open to Grades 10-12.
Journalism part 2	1151	Journalism Part 2 (Term 2 or 4 at PHS, 0.5 credit, English elective), continuation of #151Expository Writing is presen used with appropriate sequencing of ideas or steps in a process. Effective expository writing should contain a main ik write research papers and/or technical reports, use primary and secondary sources, organize materials, and write in will be created.) Grade 9 students need teacher permission to join, open to Grades 10-12.
Yearbook T4	152	Yearbook - work as a team member to create our school yearbook, writing, organizing and photography included.
Creative Communica... P1 of 2	2006	Creative Communications, Part 1, 0.5 PHS Credit, Grades 9-10 only, Students will use fun and creative improvisation is on student participation to gain skill and confidence when presenting information (this course prepares students fo winter).
Creative Communica... P2 of 2	2007	Creative Communication, Part 2, 0.5 PHS credit is continuation of part 1 (#007), for Gr. 9 and 10 only.
English Odysseyware	205	In unfortunate event students fail required English courses they are given the option to re-take the course in the regu school leases each year (recent years Odysseyware has been used). Students can either take an assessment to del level equivalent. The program does the grading so Infinite Campus does not reflect the work in this course until the fi national English standards. If you have failed a course, or were unable to complete a course due to medical situation Odysseyware.
ENG105 dmacc	506	DMACC Composition I/ENG105; 3 college cr. & 1 PHS, taken as virtual course with assigned professor for Panoram Iowa DMACC VanKirk Center; designed to help students read and write effectively. Exploration of the relationship of to support main ideas. NOTES: ISU waives this course with ACT English score of 24...specifically, ISU allows you to grade, they will retroactively give you credit for their Composition 1.) Universities may require both DMACC's ENG10 composition course.

ENG106 dmacc	507	DMACC's Composition II/ENG106 - taken as a "virtual course" with assigned professor using zoom-like class meetin VanKirk Center. Expository and persuasive writing developed through critical reading. The course explores structure, earns 2.5 Regent Admission Index points for ISU, UNI, U of Iowa admissions.
LIT101 IntroLit	509	Introduction to Literature, LIT101, taken independently online or at DMACC's Perry, Iowa VanKirk Center, 3 college c poetry, fiction, and drama, emphasizing analytical writing, interpretation, and basic critical approaches. Students will history.
Applied English	573	Curriculum created by special education teacher for students served with a special education plan.
Reading Enhanced Term1 G9	701	Based upon spring reading test results, along with review by building literacy team, freshmen students are given this school levels. This course may last all school year or end after review of 9th grade reading test performances.
Reading Enhanced Term2 G9	702	Based upon spring reading test results, along with review by building literacy team, freshmen students are given this school levels. This course may last all school year or end after review of 9th grade reading test performances.
Reading Enhanced Term3 G9	703	Based upon spring reading test results, along with review by building literacy team, freshmen students are given this school levels. This course may last all school year or end after review of 9th grade reading test performances.
Reading Enhanced Term4 G9	704	Based upon spring reading test results, along with review by building literacy team, freshmen students are given this school levels. This course may last all school year or end after review of 9th grade reading test performances.

**Curricular Area: Family Consumer Science**

Textile&App... Design P1 (4m)	082	Taught in 40-45 minute daily course over a semester ( part 1 )Comprehensive Standard 16Integrate knowledge, skill; designed for students to advance their textiles & clothing basics in FCS Foundations. Students will learn about possi Students will create items and garments in a sewing lab.
Food and Nutrition	083	Comprehensive Standard 14Demonstrate nutrition and wellness practices that enhance individual and family well-be required for careers in food production and services.In this course, students will cover units including kitchen safety & recipe reading, and cooking methods. This course includes laboratory experiences.
Advanced Foods	084	Comprehensive Standard 8Integrate knowledge, skills, and practices required for careers in food production and ser required for careers in food science, food technology, dietetics, and nutrition.This class is an extension of Introduction careers, cultural cuisines, and advanced cooking techniques.
Housing & Interior Design P1	085	Comprehensive Standard 11Integrate knowledge, skills, and practices required for careers in housing and interior de These areas include renting versus buying, housing styles and history, elements and principles of design, architectur
Preschool Education	086	Comprehensive Standard 4Integrate knowledge, skills, and practices required for careers in early childhood, educati 1, students will study particularly preschool ages four and five. Students will experience practicum teaching at the pr Credential, students will create lesson plans and a teaching portfolio.
Intro Human Development	087	Comprehensive Standard 12Analyze factors that influence human growth & development.Comprehensive Standard strengthening the well-being of individuals and families.This class takes a deeper look into human growth and devel human development from birth through adulthood. These topics are covered through the lens of physical, intellectual
FCS Foundations	088	Comprehensive Standard 12Analyze factors that influence human growth & development.Comprehensive Standard and family well-being.Comprehensive Standard 11Integrate knowledge, skills, and practices required for careers in h of topics in the areas of child development, foods and nutrition, and textiles & clothing. Students will learn fundament
Child Development	091	Childhood Development classes provide students with knowledge about the physical, mental, emotional, and social & emphasizing the application of this knowledge in child care settings. These courses typically include topics such as tl
HCM108 Food Safety&San...	093	(16053) Food Prep I Lab, 3 DMACC credits (1st sem)This college Foods Safety & Sanitation course is part of the Cu Community College Building, Jefferson, Iowa, 8:20-11 AM daily, students transport selves to this 2 hour daily prograr
HCM100 ICCC SanitationS...	094	Iowa Central Community College Culinary Career Program, Sanitation and Safety, 2 credits, one of the courses deliv Community College building in Jefferson, Iowa, PHS students transport themselves to 8:20-11 AM daily courses.

Textiles Apparel Design (80m)	1082	Textiles and Apparel Design, Family Consumer Science elective, 1 cr., open to Gr. 9, 10, 11, 12 Comprehensive Stan textiles and apparels.This course is designed for students to advance their textiles & clothing basics in FCS Foundat hems, appliques, and patterns. Students will create items and garments in a sewing lab.
ECE103 Early Childhood Educ	520	DMACC's Intro to Early Childhood Education, 3 college creditsThis course is taken both by students online and in pe and philosophical foundation of the field of early childhood education. Includes an overview of assessment and trend practices. Explores careers in field. Addresses influences of families and diversity. Student background check is req.
ICCC Culinary Career Program	762	18305 Food Product Processing 2Food Product Processing courses impart the knowledge and skills needed to prod courses focus on food products whilecovering a variety of topics, such as quality selection and preservation, equipm: trends, and product research and development. Agri Food Product Processing 2 is a specialization course in the CA: and problems that simulate actual concepts and situations found in the food science and safety industry allowing stu investigate areas of food science including food safety, food quality, food chemistry, food processing, food product de experimental design will be highlighted as students develop and conduct industry appropriate investigations.Student: surrounding food. While completing activities throughout this course, students will be documenting a food developme and members of the professional community.

**Curricular Area: Health**

Health 2	050	(08051) learn what the body needs to be healthy, common threats, & challenges, guest instruction partially covers re
Health 1	051	(08051) Learn what the body needs to be healthy, common threats, & challenges
PEH110 DMACC Personal Wellness	221	(14062) 1/4 coaching: care & prevention injuries, cc 2 cr
HSC109 ExpHealthC... ACGS HS	2453	Intro to Health Careers/HSC109, 3 credits, may be delivered through DMACC Career Academy Health Occupations 22) and at VanKirk Center, Perry, IA (Fall, 1:25-3:25 PM and Spring, 7:25-9:25 AM in 2021-22 school year).
HSC120 MedTerms1 DMACC	450	DMACC's Medical Terminology/HSC120, 3 college credits credits & 1 PHS creditCourse can be taken in Gr. 9, 10, 11 several courses in a Health Career Academy through ACGC HS (Fall AM Block 1) or through Perry VanKirk Academ the Yearlong Health Occupations Academy with CNA training are encouraged to not take this course as an independe Medical Terms course is similar to PHS Anatomy & Physiology courses 1 & 2 with Mrs. King.
HSC172 Nurse Aide DMACC	451	DMACC's Nurse Aid, 75 hours clinical, 3 DMACC credits (1 PHS credit), is part of the Health Occupations Academy Perry, IA. Entry-level skills to seek employment in Iowa skilled facilities. Meets OBRA87 standards.Prerequisite: Crim site; Flu vaccine-October through April. See the DMACC website for more informationACGC HS delivers this course and 1:25-3:25 in SpringUnrelated to PHS, Lakeside Village, Panora, delivers this course through state grant in sumr
HSC182 AdvNAid	452	Continuation of DMACC Nurse Aid training, Advanced Nurse Aid, 3 college credits, both are required for state CNA t class; Criminal/Abuse background check; Physical and Immunization form as required by clinical site; Flu vaccine-O 4, Period 1 (2021-22)VanKirk Academy delivers in Fall at 7:25-9:25 AM and again in Spring at 1:25 - 3:25 PM
HSC109 HealthCareer VanKirk	453	(14001) Intro to Health Careers, 3 credits, may be completed through DMACC Career Academy as Fall, Spring, or Y

**Curricular Area: Industrial Technology**

Small Engines	095	(20110) Learn to service and recondition small engines; use of hand and power tools; read and interpret service mar equipment, and stresses proper care, servicing, and maintenance of msall engines employed on power equipment
Woods 1	098	(17006) learn how to correctly and sfely operate common machines and tools that are associated with a wood shop.
Intro to Industrial Technology	100	13003 Industrial Arts Industrial Arts courses expose students to the tools and machines that they may encounter in n they need to use these tools in various applications. Course topics typically include (but are not limited to) drawing an plastics, and power technology. These courses typically cover general safety and career exploration as well.
CAD 1 Part 2	101	21102 Drafting—General Drafting—General courses, usually offered as a sequence of courses, introduce students to design specifications and then refine the skills necessary for this craft. Drafting—General courses use exercises from experience to develop the ability to perform freehand sketching, lettering, geometric construction, and multiview proje assembly, schematic, perspective, and so on). Computer-aided drafting (CAD) systems (if available) are typically intr
AUT114	102	(20106) Shop Fundamentals & minor services,tools & measurement; integrated in yearly auto courses,4 credits (1st

DMACC Yr 1 Automotive T		delivers a year's worth of college courses to HS students over two hours daily for an entire school year...participation Center Bldg.
EngineRep... DMACC	103	(20104) Auto Engine Repair, 3 credits (2nd sem)Part of the DMACC Automotive Mechanic Career Academy which d daily for an entire school year...participation is free but family is responsible for transportation to Perry, Iowa, VanKirk
Construction 1	104	17001 Construction Careers Exploration Construction Career Exploration courses expose students to the opportuniti conditioning/refrigeration, plumbing, and so on. Students learn about the processes involved in construction projects responsibilities, qualifications, work environment, rewards, and career paths within construction-related fields.
Cabinet Making/Ma...	108	17007 Cabinetmaking Cabinetmaking courses provide students with experience in constructing cases, cabinets, cou various types of furniture construction and their appropriate applications, and how to use various woodworking mach courses cover the different methods of joining pieces of wood, how to use mechanical fasteners, and how to attach t courses; more advanced top
Basic Electricity	111	(17103) apply to electrical systems found in family dwellings, to include topics; cable installation, telephone systems,
AUT163 DMACC AutoEngine...	1114	SCED 20104CAUT163 – Automotive Engine RepairDMACC, Perry Center, M-F, 10-11:50, one of two auto courses t provide instruction in the theory and operation of 4-stroke cycle engines. Emphasis will be placed on both design and AUT 111.
AUT615 Electric	117	(21107) Auto Electricity/Electronics, 4 credits (1st/2nd sem)
Woods 2	3098	Must have instructor permission to take this Woods 2 course (Mr. Oshahr).
Construction 2	3104	17002 ConstructionMust have instructor permission to take (Mr. Osbahr)Comprehensive courses provide students w residential, and institutional structures. These courses provide experiences and information (typically including caree occupations such as carpentry, cabinetmaking, bricklaying, electrical trades, plumbing, concrete masonry, and so on building sites, starting foundations, erecting structures, installing utilities, finishing surfaces, and providing mainten
Intro to Diesel	370	20107 Diesel MechanicsMr. Osbahr1 credit elective Industrial TechnologyComprehensive courses prepare students topics may include principles underlying diesel engines, analyzing electrical circuits and systems, troubleshooting an systems, reading and interpreting service manuals, and identifying the principles and components of fuel injection sy entrepreneurship.
AUT524 Brakes	495	(20105) Auto Brake System & Service, 4 cr (1st sem)
AUT652 dmacc	496	(20105) Advanced Automotive Electricty, 3 credits (2nd sem)

**Curricular Area: Math**

MAT211 Calculus WITCC	025	Calculus 1 has been delivered by WITCC online to PHS students with Ms.Jarnagin acting as the teacher to increase
Algebra1 Part1	031	Algebra I Part 1 (1.0 credit) is the study of patterns through solving and graphing, course continues on concepts intrc be "one year" of Algebra as included in Iowa Regent Universities required HS course preparation for admission. This
Algebra1 Part2	032	Algebra I Part 2 is the continuation of Part 1, (each earns 1 credit). Completion of both parts of Algebra is need to be
Geometry P1	033	Geometry (Part 1 and 2, 1 credit each) is open to students after completing Algebra 1. Both Geometry Part 1 and 2 a study of the properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an e proofs; concepts of congruence, similarity, parallelism, perpendicularity, proportion; rules of angle measurement in tri Universities.
Geometry P2	034	Geometry Part 2 (1 credit) is continuation of #033. Geometry Part 1 and 2 are delivered in 80 minutes daily in one ter geometry, as required for admissions to our Iowa Regent Universities.
Algebra 2 P1	035	(02056) - 5 RAI, 2T, open for students after taking Geometry; course includes field properties and theorems; set theo expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and q properties of higher degree equations; and operations with rational and irrational exponents.
Algebra 2 P2	036	Algebra 2 Part 2 is continuation of first part of Algebra 2 (#035), earns 1 PHS credit, meets final 6th required credit fc

Trigonometry a	037	(Alg.1/2cr.+Geometry/2cr.+Alg.2/2cr.) and Iowa Regent Universities admission requirements for math (Alg.1, Geome
Trigonometry b	038	(02103) - 5 RAI, 2T taken after Algebra 2 as preparation for eventual work in calculus, includes trigonometric and circ
Elementary Funct (PreCalc) P1	040	Elementary Functions is two part math, each part earning 1 PHS credit, requires Trigonometry be taken prior, is prep
MAT110 MathLibArts DMACC	045	DMACC's Math for Liberal Arts/MAT110, is taken as an independent college online OR taken at Perry, Iowa VanKirk
MAT772 ApplMath1 (FallSem45m)	046	(02152) - Semester, G10-12; DMACC Applied Math, students whom have been successful in this course have earne
Math Credit Recovery	047	Mathematics Credit Recovery through Proficiency Development - independent learning program assists students in e
Statistics MAT157	048	DMACC's Statistics, 4 college core credits, MAT157Students how have completed Algebra 2 often take this course c
Statistics (HS,T1of2T...	049	(02201) - 2.5 RAI, 1T, math elective open after or while completing Algebra 2, use the skills of algebra to describe sit
Elem Funct (PreCalc) P2	1040	02109 Elementary FunctionsPart 2 is a continuation of Part 1, each earning 1 PHS credit.Elementary Functions cour
Statistics (HS,2ndof2...	1049	Statistics, two term course with each earning 0.5 credit (typically fall afternoon class period); includes the measures c
Consumer Math P1	199	SCED Course Description:Mathematics Proficiency Development (02994)- special education teachers design these i
Math Basics P1	200	SCED Course Description:Mathematics Proficiency Development (02994)- special education teachers design these i
Algebra 2 Odysseyware	204	This course uses computer software learning for student to complete at their own pacing. Students who have been s
Math Skills Diagnostics O'ware	215	SCED description (02003):Particular Topics in Foundation Math - courses examine particular topics in Foundation m
Financial Lit (Math NEFE Wkwbk)	216	SCED description (02003):Particular Topics in Foundation Math - courses examine particular topics in Foundation m
MAT141 Finite Math	439	DMACC Finite Math/MAT141, earns 4 college creditsPrerequisite: one year of HS algebra and completion of online /

PLTW EGT400 IED	444	NOT majoring in math or science, includes such topics as set operations and applications, methods of counting, prot programming and an introduction to Markov chains. See DMACC ALEKS test webpage information to complete the A  21006CIntro Engineering Design (21006) - 5 RAI, Semester, G9-12, DMAC EGT400, PLTW college course builds up major focus of the IED course is to expose students to the design process, research & analysis, teamwork, communi technical documetnation. Students use 3D solid modeling design software to help them design solutions to solve pro solutions to peers & the profession. engineering notebook, and design solutions using 3D modeling software. 3 credits
Algebra T1 of 4	900	Algebra I (0.5 credit per 9 week term) is the study of patterns through solving and graphing, course continues on con considered to be "one year" of algebra as included in Iowa Regent Universities required HS course preparation for a the respective Term sections of Algebra 1 Terms 2, 3, & 4 do also.
Algebra T2 of 4	901	Algebra I Term 2 (0.5 credit per 9 week term) is the study of patterns through solving and graphing; course continues minutes daily. A student must complete each of these four terms to complete what is referred to a "1 Year of Algebra'
Algebra T3 of 4	902	Algebra I Term 2 (0.5 credit per 9 week term) is the study of patterns through solving and graphing; course continues minutes daily. A student must complete each of these four terms to complete what is referred to a "1 Year of Algebra'
Algebra T4 of 4	903	Algebra I Term 2 (0.5 credit per 9 week term) is the study of patterns through solving and graphing; course continues minutes daily. A student must complete each of these four terms to complete what is referred to a "1 Year of Algebra'
Geometry (T1 of 4 Terms, 45m)	904	Geometry (Terms 1, 2, 3, & 4, earn 0.5 credit each for total of 2 credits) is open to students after completing Algebra one school year. Geometry is the formal study of properties of plane and solid figures; deductive methods of reasoni of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, proportic admission to our Iowa Regent Universities.
Geometry (T2 of 4 Terms, 45m)	905	This Geometry course is part one of a year course of college preparation for advanced math (Algebra 2, trigonometr; This term of geometry earns 0.5 credit (completing all four terms will earn 2 credits total of geometry, as required for
Geometry (T3 of 4 Terms, 45m)	906	This Geometry course is part one of a year course of college preparation for advanced math (Algebra 2, trigonometr; This term of geometry earns 0.5 credit (completing all four terms will earn 2 credits total of geometry, as required for
Geometry (T4 of 4 Terms, 45m)	907	This Geometry course is part one of a year course of college preparation for advanced math (Algebra 2, trigonometr; This term of geometry earns 0.5 credit (completing all four terms will earn 2 credits total of geometry, as required for

**Curricular Area: Music**

HS Vocal Choir Day B Term 2	1171	Vocal Music - This course meets alternating days Period 3 (80 minutes), each term, earning 0.5 credits each term. e: through study and performance. The core curriculum emphasizes the basics of vocal technique, sight-reading, music participate in concerts as a major part of their grade.
Jazz History	170	(05116) introduction to jazz history and instrumental improvisation
Vocal HS Day B Term 1	171	Vocal Music - This course meets alternating days Period 3 (80 minutes), each term, earning 0.5 credits each term. e: through study and performance. The core curriculum emphasizes the basics of vocal technique, sight-reading, music participate in concerts as a major part of their grade.
Band HS A Day Term 1	172	Band/Instrumental Music - This course meets alternating days Period 3 (80 minutes), each of the four terms, earning brass, woodwind, and percussion instruments in a variety of literature styles for purpose of performing as concert ba  (05111) Participation hinges on instructor approval, typically involving an audition. This course advances the understa group repertoire in a variety of styles. Traditional choral skills of blend, balance, unison, harmonic intonation, and arti and performance using microphones and sound reinforcement. Students will learn to sing with a rhythm section, acc: school grounds, subject to member availability. Occasional master classes and workshops may be substituted for reh
Jazz Choir	173	
Music Independent Study	174	Instructional strategies and preparation for competitions and auditions. Primary focus being preparation for Iowa Ali-t
Band HS Day A Term 2	175	Band/Instrumental Music - This course meets alternating days Period 3 (80 minutes), each of the four terms, earning brass, woodwind, and percussion instruments in a variety of literature styles for purpose of performing as concert ba
Piano - Beginner	177	05107 Piano - Beginner, with Mr. Helm Piano - beginner: This class is designed for beginning piano students who are will primarily use the Piano Laboratory during classroom instruction. Independent study will be a major emphasis.

Music Theory	182	05118 Music Appreciation Similar in nature to Music History and Music Theory courses, Music Appreciation courses help students explore the world of music and to develop an understanding of the importance of music in their lives...le
Band HS Day B Term 3	602	Band/Instrumental Music - This course meets alternating days Period 3 (80 minutes), each of the four terms, earning brass, woodwind, and percussion instruments in a variety of literature styles for purpose of performing as concert band
Band HS Day B Term 4	603	Band/Instrumental Music - This course meets alternating days Period 3 (80 minutes), each of the four terms, earning brass, woodwind, and percussion instruments in a variety of literature styles for purpose of performing as concert band
Vocal Term	604	
Vocal HS A Day T4	612	Vocal Music - This course meets alternating days Period 3 (80 minutes), each term, earning 0.5 credits each term. e: through study and performance. The core curriculum emphasizes the basics of vocal technique, sight-reading, music participate in concerts as a major part of their grade.
Musical Theater (Aud Mgmt)	613	Auditorium Management is a course that delivers sound and light management of the school auditorium. Most students in the school choir, but vocal music participation is not required to take this course. Out of school hour assignments v auditorium.

**Curricular Area: Physical Education**

PE Alternate Days Term 1	1631	Alternating Day PE - means the course meets 2 - 3 days weekly, earning 0.5 credit each 9 weeks term, Mr. Dahlhaus This PE course includes team sports and games along with instruction for safe free weights and personal fitness and
PE Alternating Day Term 2	1632	Alternating Day PE - means the course meets 2 - 3 days weekly, earning 0.5 credit each 9 weeks term, Mr. Dahlhaus This PE course includes team sports and games along with instruction for safe free weights and personal fitness and
PE Alternating Day Term 3	1633	Alternating Day PE - means the course meets 2 - 3 days weekly, earning 0.5 credit each 9 weeks term, Mr. Dahlhaus This PE course includes team sports and games along with instruction for safe free weights and personal fitness and
PE Alternate Day Term 4	1634	Alternating Day PE - means the course meets 2 - 3 days weekly, earning 0.5 credit each 9 weeks term, Mr. Dahlhaus This PE course includes team sports and games along with instruction for safe free weights and personal fitness and
Odysseyware PE	190	PE Odysseyware is used when students are not physically capable of participating in PHS PE courses, covers topics popular sporting activities.
Fitness; 6:30-7:30 a.m.	194	Fitness/Conditioning Activities Fitness/Conditioning Activities courses emphasize conditioning activities that help develop courses meet before school day, 6:30-7:30 a.m., earning 0.5 credits per grading term Students may complete a contract
PEH190 DMACC Sports Nutrition	319	Sports Nutrition, taken through DMACC as an independent online course, 2 DMACC credits & 1 PHS credit; Basic principles physically active populations. Issues discussed include ergogenic aids, carbohydrate loading/manipulation, eating disorders include dietary analysis and composition for people in various activities and conditions.

**Curricular Area: Science**

Physical Sci G9 P1 (block)	052	Physical Science (Part 1 and Part 2, each earn 1 credit) is required in Gr.9, content draws upon principles of several lab. Common themes covered include systems, models, energy, patterns, change and constancy. This course also fulfills requirement for science during high school.
Physical Sci G9 P2	053	Physical Science (Part 1 and Part 2, each earn 1 credit) is required in Gr.9, content draws upon principles of several lab. Common themes covered include systems, models, energy, patterns, change and constancy. This course also fulfills requirement for science during high school.
Biology G10 P1	054	Biology is required (Part 1 and 2 each earning 1 credit), Gr.10; lab work is part of this course, fundamental concepts plant and animal physiology, genetics, and taxonomy; introduction to lab science. This course also fulfills one of the requirements (UNI, ISU, U of Iowa).
Biology G10 P2	055	Biology is required (Part 1 and 2 each earning 1 credit), Gr.10; lab work is part of this course, fundamental concepts plant and animal physiology, genetics, and taxonomy; introduction to lab science. This course also fulfills one of the requirements (UNI, ISU, U of Iowa).
Anatomy & Physiology 1	056	Anatomy and Physiology 1 (1 credit) is an elective science course available after completing biology, learn about the human body. 2.5 admission points in the Regent Universities' Admission Index formula.
Environment Bio (block)	057	Environmental Biology (1 credit) is available to student who have completed biology, and examine mutual relationships between organisms and their environment. This is a core course which earns 2.5 admission points in the Regent Universities' Admission Index formula.

Chemistry w/Lab P1	058	(03101) - RAI, 2T, During or after Algebra 2, learn of the composition properties, and reactions of substances; explor oxidation/reduction reactions; and atomic structure; chemical formulas and equations and nuclear reactions; and to c
Chemistry w/Lab P2	059	(03101) - RAI, 2T, During or after Algebra 2, learn of the composition properties, and reactions of substances; explor oxidation/reduction reactions; and atomic structure; chemical formulas and equations and nuclear reactions; and to c
Physics w/Lab P1	060	(03151) - RAI, 2T, after completing or during trigonometry, learn of forces and laws effecting matter & engergy, such . energy, to include examination of sound, light, magnetic and electric phenomena, and to conduct related labs.
Physics w/Lab P2	061	
Physical Science T4 of 4	1053	Physical Science is required in Gr.9, content draws upon principles of several scientific specialities - earth, physical, systems, models, energy, patterns, change and constancy. This course also fulfills one year of the Iowa Regent Univ This Physical Science section consists of 4 Terms, each earn 0.5 credit with class meeting 45 minutes daily all scho
Biology T1 of 4	1054	Biology as a year long at 45 minutes daily covers the same material as the block sections. Final grades will be earne
Biology T3 of 4	1055	Biology as a year long at 45 minutes daily covers the same material as the block sections. Final grades will be earne
Regional Biology P1 of 2	1057	Regional Biology, available to all HS grades, will be analysis of area life forms with HS science teacher Mrs. King, 0.1 which earns 2.5 admission points, with completion of part 1 and 2, in the Regent Universities' Admission Index formu
Regional Biology P2 of 2	1058	Regional Biology will be analysis of area life forms with HS science teacher Mrs. King, 0.5 PHS credit per term in this points, with completion of part 1 and 2, in the Regent Universities' Admission Index formula.
Biology T4 of 4	1155	This course continues on themes of Art History 1 with Mrs. Lindstrom (the history of art).
Animal Science 1; Part 1 of 2	119	Animal Science 1, taught by Mr. Hameister, is a Biology - Advanced Studies course, non-lab, usually taken after a co nutrition. Topics covered: careers, nutrition, digestion, reproduction of livestock & other animals. Taken at 45 min dail
Animal Science 1; Part 2 of 2	121	Animal Science 1, taught by Mr. Hameister, is a Biology - Advanced Studies course, non-lab, usually taken after a co nutrition. Topics will include injections, diseases, processing young animals, tour of a working animal farm if time per include injections, diseases, processsing young animals, tour of a working animal farm if time permits.
Botany (Horticulture 1)	122	(SCED for Botany:03058) Students interested in plant careers such as landscaping, floral shops, argonomy or scient reproduction, and are cared for during class; an application in the school greenhouse. Lab portion of course; plants applied.
BIO173 Anat Physiology	1302	BIO173 - Anatomy and Physiology 2, taken as web-blended course with DMACC assigned professor at Panorama H College Credits. Anatomy and Physiology II is a continuation of Anatomy & Physiology I. The following organ system system, the lymphatic system and immunity, the respiratory system, the urinary system, the digestive system includir balance of water; electrolytes and acids and bases and an introduction to human growth and development. Lecture & BIO 168 Anatomy & Physiology I
DMACC AGS114 APEX Ani Sci Prg	1304	DMACC Changed from AGS113 to AGS114 for APEX (confirmed July 2, 2019)AGS114Survey of the Animal Industry humans for food, shelter, protection, fuel, and emotional well-being. Terminology, basic structures of the industries su United States.Waukee Aspiring Professional ExperienceAnimal and Veterinary Science Course GuideInstructor: Cink csnell@waukeeschools.orgOffice: Waukee Innovation and Learning Center, Room 217Office Hours: By appointment SummaryThis course serves as an in-depth, focused course studying animal agriculture and veterinary science. Proj animal nutrition, animal reproduction, veterinary medicine, regulatory issues, global trade issues, biodiversity issues, in animal production, global protein issues and careers. Experiences will involve working with actual animals alongsi
Zoology P1 of 2	1420	Zoology (0.5 credit, available after completing Biology), non-lab, read and process to understand animals, the niche evolutionary relationships to other organisms; develop an awareness and understanding of the biotic communities. T daily.This is a core course which earns 2.5 admission points, with completion of part 1 and 2, in the Regent Universit
Anatomy & Physiology 1; P1of2	183	Anatomy and Physiology 1 - this section is delivered in two terms, each earn 0.5 credits; learn about the human body points, with completion of part 1 and 2, in the Regent Universities' Admission Index formula.

Anatomy & Physiology 2	271	Anatomy and Physiology 2 (1 credit) is a continuation of A&P1, learn about the human body parts and their functions of part 1 and 2, in the Regent Universities' Admission Index formula.
BIO168 HumAnatP... DMACC	302	DMACC's Introduction to Human Anatomy & Physiology/BIO168, taught as web-blended course with assigned profe-credits/1 Panorama HS credit. Anatomy & Physiology I covers the structure and function of the human body at the cl includes the integumentary, skeletal, muscular, and nervous systems. Lecture and lab are taken concurrently. This cr

**Curricular Area: Social Studies**

World Hist 1	064	World History is Required Gr.10 and helps meet the Iowa Regent Universities admission requirement as 1 of 3 years civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultura terms at 45 min. daily, earns two credits.
World Hist 2	065	World History is Required Gr.10 and helps meet the Iowa Regent Universities admission requirement as 1 of 3 years civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultura terms at 45 min. daily, earns two credits.
U.S. History 1	066	U.S. History is Required Gr.11 at PHS and helps students meet admission standards for Iowa Regent Universities (1 examining time periods from discovery of colonialism to World War 2, including political military, scientific, and social or 4 terms taken 45 min daily) earns two credits.
U.S. History 2	067	U.S. History is Required Gr.11 at PHS and helps students meet admission standards for Iowa Regent Universities (1 examining time periods from discovery of colonialism to World War 2, including political military, scientific, and social or 4 terms taken 45 min daily) earns two credits.
Am Govt (80m,daily,...	068	American Government is Required Gr.12 at PHS and helps complete Iowa Regent Universities admissions required structure and functions of the US Government and political institutions and examine constitutional principles, the con interest groups, and the importance of civic participation in the democratic process, may examine structure and funci This course earns 1 credit either taken in one term at 80 min. daily or two terms at 45 min. daily.
Sociology (HS,1stOf2...	069	Sociology, 1 credit of social studies taken in 1 term 80 minutes daily (or 0.5 credits per term when taken in two terms social change, and the relationships among individuals and groups in society.This is a core course which earns 2.5 a
Psychology (Part 1; 45m)	070	Psychology (Part 1 of 2 parts delivered 45 minutes daily, each earns 0.5 credits); learn theories & vocabulary descri development, personality and behavior, and abnormal psychology.When both parts of Psychology are completed you
Economics	072	04201 EconomicsEconomics courses provide students with an overview of economics with primary emphasis onthe courses may also cover topicssuch as principles of macroeconomics, international economics, and comparative ecoi contexts, applied contexts, or both.
World History T1 of 4	1063	World History is Required Gr.10 and helps meet the Iowa Regent Universities admission requirement as 1 of 3 years civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultura terms at 45 min. daily, earns two credits.
World History T2 of 4	1064	World History is Required Gr.10 and helps meet the Iowa Regent Universities admission requirement as 1 of 3 years civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultura terms at 45 min. daily, earns two credits..
World History T4 of 4	1065	World History is Required Gr.10 and helps meet the Iowa Regent Universities admission requirement as 1 of 3 years civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultura terms at 45 min. daily, earns two credits.
Sociology (HS,2ndOf2...	1069	Sociology, 1 credit of social studies taken in 1 term 80 minutes daily (or 0.5 credits per term when taken in two terms social change, and the relationships among individuals and groups in society.This is a core course which earns 2.5 a
Psychology (Part 2; 45m)	1070	Part 2 of #070 (Psychology delivered 45 minutes daily). When both parts of Psychology are completed you earns 2.5
U.S. History T3of4Terms	1166	U.S. History is Required Gr.11 at PHS and helps students meet admission standards for Iowa Regent Universities (1 examining time periods from discovery of colonialism to World War 2, including political military, scientific, and social or 4 terms taken 45 min daily) earns two credits.
U.S. History T4of4Terms	1167	U.S. History is Required Gr.11 at PHS and helps students meet admission standards for Iowa Regent Universities (1 examining time periods from discovery of colonialism to World War 2, including political military, scientific, and social or 4 terms taken 45 min daily) earns two credits.
Modern U.S. Hist Civil	1176	Civil Rights Movement; 1 credit of social studies taken in 1 term 80 minutes daily (or 0.5 credits per term when taken admission points in the Regent Universities' Admission Index formula.

Rights		
World Geography P1	178	World Geography is an overview of people and places around the world through the development of civilizations, but term 80 minutes daily (or 0.5 credits per term when taken in two terms 45 min. daily), includes social institutions and individuals and groups in society. This is a core course which earns 2.5 admission points in the Regent Universities' A
World Geography P2	214	(04061) - RAI, 1T, G9-12; overview of people and places around the world through the development of civilizations, t
HUM120 Intro Film	231	DMACC's Introduction to Film, HUM 120; conventions, scope, purposes & techniques of films. Includes viewing & wr helps complete college liberal arts as a humanities course.
SOC120 Marriage & Family	234	DMACC's SOC120, "Marriage and Family" (Panorama students may take as an independent online social studies el sociological, physical, psychological, legal and economic aspects of the American family. Included are investigations parenthood, interpersonal relationships, and marital adjustment.
American Government P2 of 2	274	American Government is Required Gr.12 at PHS and helps complete Iowa Regent Universities admissions required structure and functions of the US Government and political institutions and examine constitutional principles, the con interest groups, and the importance of civic participation in the democratic process, may examine structure and funct This course earns 1 credit either taken in one term at 80 min. daily or two terms at 45 min. daily.
HIS150 US. Hist to 1877	301	DMACC 4 credit college course (1 PHS credit); HIS150/U.S. History to 1877, taken online OR at Perry, Iowa VanKirk emphasis on the political, social, economic, religious and intellectual aspects of the pre-settlement, Colonial, Revolut course which earns 2.5 admission points in the Regent Universities' Admission Index formula.
HIS112 Anc- EarlyMod	303	World Civilization: Ancient to Early Modern/HIS112, 4 college core credits taken independently online while a PHS st history and comfortable with larger reading assignments. Surveys the great civilizations from Greece and Rome, thro and Reformation, the modern state, the new science and the secular outlook, parliamentary government in England .
HIS113 WCiv ModEarly-Pres	307	West Civilization: Early Mod to Present; HIS113, 4 college core credits taken independently online while a PHS stude and are comfortable with larger reading assignments. Survey of political, economic, social and intellectual developme reactions, national unifications, national rivalries, world wars and post-war developments.
HIS153 US Since 1877	308	DMACC's US History Since 1877, 4 college core credits; HIS153Panorama students take this either as a "Virtual cou zoom-like meetings 3 days weekly (Spring Period 6 in 2021-22) or as an independently online course (PHS US Histc Students should expect larger reading assignments in college history courses. A survey of main themes of American religious and intellectual aspects of the Gilded Age, the Progressive Era, WWI, the Roaring Twenties, the Great Depi
SOC110 DMACC intro soc	309	Intro to Sociology/SOC110 through DMACC, 3 college credits, 1 PHS credit, taken independently online, OR as a "V zoom-like professor meetings 2 days weekly (Spring 2021-22, Per.4&5, Tue. & Thur.), OR taken at Perry, Iowa DMAI arts course opposite. The study of human interaction, groups, and society. Topics included are culture, socialization, ecology, social change and research methods.
AP U.S. Government	318	AP courses are registered through participation in the PHS Talented and Gifted program planning with instructor, Mrs
US History 3; Cold War	422	US History 3; Cold War - comprehensive overview of the history of US, political military and social developments afte 0.5 credits per term when taken in two terms 45 min. daily), includes social institutions and norms, socialization and society. This is a core course which earns 2.5 admission points in the Regent Universities' Admission Index formula.
SOC115 Soc Prob DMACC	498	Social Problems/SOC115 through DMACC; 3 college credits, 1 PHS credit, taken independently online - An analysis problems of major interest. Consideration is given to theories, research and programs for prevention and treatment.
PSY111 IntroPsych	499	Introduction to Psychology, PSY111, DMACC, 3 college core credits, 1 PHS credit, Panorama students take this cou using zoom-like course meetings (Fall 2021-22 Per.4&5, Tue. & Thur.), OR at the DMACC VanKirk Center Bldg. in Pi theoretical and experimental findings and applications from areas such as neurobiology, learning, memory, personali Regent Admission index formula.
PSY121 DevPsych	500	DMACC's Developmental Psychology, PSY121, 3 college core credits, 1 PHS credit; Students take this course after Iowa. - Study of factors that affect human development from conception to death, with emphasis on topics such as pl issues. This course earns 2.5 points in the Iowa Regent Admission index formula.
GEO111 Intro to Geography	524	DMACC's Intro to Geography, 3 college core credits (1 PHS credit); GEO111This course is offered by DMACC online (landscape, ecology, diffusion and integration) in a systematic examination of the contemporary world. The course is i geography.

PHI101 Intro Philosophy	526	DMACC's Introduction to Philosophy, 3 college core credits; PHI101Learn to recognize and construct good arguments, study of induction, examination of informal fallacies. This college course is taken independently online by DMACC associate of arts degree.
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**Curricular Area: World Languages**

Spanish 1 Part1	073	Spanish 1; designed to introduce students to Spanish language and culture, emphasize basic grammar and syntax, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies ar customs, and history of Spanish-speaking people. This course earns two credits in two terms at 80 min. daily or four two year admission requirement of a world language.
Spanish 1 Part2	074	Spanish 1; designed to introduce students to Spanish language and culture, emphasize basic grammar and syntax, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies ar customs, and history of Spanish-speaking people. This course earns two credits in two terms at 80 min. daily or four two year admission requirement of a world language.
Spanish 2 Part1	075	Spanish 2; This course earns two credits in two terms at 80 min. daily or four terms at 45 min. daily, and it helps com world language.
Spanish 2 Part2	076	Spanish 1; designed to introduce students to Spanish language and culture, emphasize basic grammar and syntax, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies ar customs, and history of Spanish-speaking people. This course earns two credits in two terms at 80 min. daily or four two year admission requirement of a world language.
Spanish 3 Part1	077	Spanish 3; students need minimum of C grades in Spanish 2; express increasingly complex concepts both verbally e understanding when listening, be able to paraphrase written passages, and converse easily within limited situations.
Spanish 3 Part2	078	Spanish 3; students need minimum of C grades in Spanish 2; express increasingly complex concepts both verbally e understanding when listening, be able to paraphrase written passages, and converse easily within limited situations.
Spanish 4 P1	079	Spanish 4; students need minimum of C grades in Spanish 3; advance skills & abilities to read, write, speak, & under conversations with sufficient vocabulary & acceptable accent, have sufficient comprehension to understand speech e narratives that indicate a good understanding of grammar & strong vocabulary. The University of Iowa waives a work PHS course is completed with a C or higher. Spanish 4 earns two credits, 1 per term, taken at 80 min. daily.
Spanish 4 P2	080	Spanish 4; students need minimum of C grades in Spanish 3; advance skills & abilities to read, write, speak, & under conversations with sufficient vocabulary & acceptable accent, have sufficient comprehension to understand speech e narratives that indicate a good understanding of grammar & strong vocabulary. The University of Iowa waives a work PHS course is completed with a C or higher. Spanish 4 earns two credits, 1 per term, taken at 80 min. daily.
Spanish 1 T4 of 4	1075	Spanish 1 (earns 2 credits as taken 80 min. daily or 45 min. daily in all 4 terms); students will first begin to develop lis familiar words, commands, phrases, short sentences, and basic questions. They will learn to use predictable languag the ability to recognize the products, practices, and perspectives of the culture. They will also use the language to ex
Spanish 2; Term 1 of 4	1076	
Spanish 2 T2 of 4	1077	
Spanish 2 T3 of 4	1078	
Spanish 2 T4 of 4	1079	Year long Spanish 2, final 9 week term.0.5 PHS credit

**Curricular Area: Z\_Activities**

XC Boys	I	High School Boys Cross Country
XC Girls	II	High School Girls Cross Country
Football	III	High School Boys Football
Volleyball Girls	IV	High School Girls Volleyball
Track Boys	IX	High School Boys Track

Basketball Girls	V	High School Girls Basketball
Basketball Boys	VI	High School Boys Basketball
Track Girls	VIII	High School Girls Track
Golf JV/V	X	High School Girls & Boys Golf
Softball Girls	XII	High School Girls Softball
Soccer Girls	XIV	High School Girls Soccer
Soccer Boys	XV	High School Boys Soccer
Swimming Girls	XVI	High School Girls Swimming (At Perry HS, families provide transportation)
Swimming Boys	XVII	High School Swimming (At Perry HS, families provide transportation)
Cheerleading	XX	High School Cheerleading for Wrestling

## Course requirements/credits by Panorama HS grade level

[https://www.panoramaschools.org/apps/pages/index.jsp?uREC\\_ID=414158&type=u&pREC\\_ID=1015038](https://www.panoramaschools.org/apps/pages/index.jsp?uREC_ID=414158&type=u&pREC_ID=1015038)

**Freshman** (14 total cr. required to advance to Gr. 10)

2 PE courses; course each Fall & Spring (one PE may be waived with same season PHS athletics, including cheerleading)

2 credits English 9

2 credits Physical Science

2 credits Algebra

1 credit Careers and Personal Finance

**Sophomores** (28 total cr. = "on track" for graduation)

2 PE courses; course each Fall & Spring (one PE may be waived with same season PHS athletics, including cheerleading)

2 credits English 10

2 credits Biology

2 credits Geometry, Basic Math, or Consumer Math

2 credits World History

**Juniors** (42 total cr. = "on track" for graduation)

2 PE courses; course each Fall & Spring (one PE may be waived with same season PHS athletics, including cheerleading)

2 credits English 10

2 credits Science electives

2 credits of Math electives

2 credits U.S. History (part 1 and 2)

1 credit of Personal Finance (if not yet taken)

**Seniors** (total of 56 credits to graduate or Individual Learning Plan approved by Prin. Stanley)

2 PE courses; course each Fall & Spring (one PE may be waived with same season PHS athletics, including cheerleading)

2 credits English electives

1 credit American Government

## Courses Minimum Requirements for admission by Iowa's Regent Universities (UNI, ISU, IOWA)

<https://www.iowaregents.edu/institutions/higher-education-links/regent-admission-index/rai-info#hs-course-requirements>

- **English** - 4 Years (8 Panorama credits of English 9, 10, 11, Creative Communication, Literature, Speech, Composition, Journalism, or Creative Writing)
- **Math** - 3 Years (6 Panorama credits to include 2 each of Algebra, Geometry, Advanced Algebra)
- **Science** - 3 Years (6 Panorama credits to include 2 each of Physical Science, Biology, and Chemistry or Physics)
- **Social Studies** - 3 Years (6 Panorama credits to include 2 each of World History and U.S. History, 1 credit of American Government, 1 credit of Social Studies: Modern Problems, U.S. History 3, Modern U.S. History, World Geography, Psychology, Sociology, or Economics)
- **Spanish** - 2 Years (4 Panorama credits to include 2 each of Spanish 1 and Spanish 2)

**Regent Admission Index Score** = Acceptance at ISU, UNI, IOWA based on the RAI Formula

[ACT x 3, GPA x 30, Years of Core x 5 = 245 Points Minimum]

<https://www.iowaregents.edu/institutions/higher-education-links/regent-admission-index/rai-calculator>

RAI Student Scenarios to Consider:

3.0 GPA (B Average is usually bit lower than PHS average) **GPA x 30 = 90**

+ 20 ACT (National Average) **ACT x 3 = 60**

+ **15 Years of Core x 5 = 80** [Req. Minimums (4Yr Eng.) + 3Yr (Math, Sci., & SocSt=9) + 2 Yr Spanish = 15Yr]

Total RAI of 230 points (*15 too low from 245*)

- Versus -

2.9 (B average) GPA x 30 = 87

+ 20 ACT (National Average) x 3 = 60

+ **20 Years of Core x 5 = 100** [4Yr each of the 5 core; English, Math, Science, Social Studies, Spanish = 20Yr]

Total RAI of 247 points (*2 over the minimum of 245*)

Visit Mr. Webner to update course planning for 2021-22

Infinite Campus allows students to request courses for Mr. Webner to include on the school day course schedule.

# BUILDING YOUR FUTURE

## YOUR COURSES COUNT

MINIMUM COURSE REQUIREMENTS FOR ADMISSION				OPTIMUM RECOMMENDATIONS FOR SUCCESS
	IOWA STATE UNIVERSITY	IOWA	University of Northern Iowa	
<b>ENGLISH</b>	<b>4</b> years emphasizing writing, speaking, reading, as well as an understanding and appreciation of literature.	<b>4</b> years with an emphasis on the analysis and interpretation of literature, composition and speech.	<b>4</b> years including one year of composition, also may include one year of speech, communication or journalism.	<b>4</b> years with an emphasis on the communication skills of writing, reading and listening, and the analysis and interpretation of literature. In addition, courses in journalism and media literacy will be valuable.  Extracurricular activities in debate, speech contest, newspaper and yearbook will further develop essential competencies.
<b>MATH</b>	<b>3</b> years including at least one year each of algebra, geometry and advanced algebra.	<b>3</b> years including two years of algebra and one year of geometry for admission to the College of Liberal Arts and Sciences.  <b>4</b> years including two years of algebra, one year each of geometry and higher math (pre-calculus or equivalent) for admission to the College of Engineering.	<b>3</b> years including the equivalent of algebra, geometry and algebra II.	<b>4</b> years, one in each year of high school.  Advanced courses in algebra and trigonometry are optimal. Calculus and statistics courses are also good and will contribute in the development of your higher-level analytical skills.
<b>NATURAL SCIENCE</b>	<b>3</b> years including at least two years of courses which emphasize elements of biology, chemistry or physics.	<b>3</b> years including courses in physical science, biology, chemistry, environmental science and physics for admission to the College of Liberal Arts and Sciences and Engineering.  <b>3</b> years, including one year each of biology, chemistry and physics for admission to the College of Nursing.	<b>3</b> years including courses in general science, biology, chemistry, earth science or physics. Laboratory experience is highly recommended.	<b>4</b> years, one in each year of high school. To be better prepared, take at least one year each of biology, chemistry and physics.  These can be taken in any order and may be taught productively in either a separate or an integrated fashion, depending on your school's offerings.
<b>SOCIAL STUDIES</b>	<b>2</b> years for admission to Colleges of Agriculture and Life Sciences, Business, Design, Engineering and Human Sciences.  <b>3</b> years for admission to the College of Liberal Arts and Sciences.	<b>3</b> years with U.S. history and world history recommended for admission to the College of Liberal Arts and Sciences.  <b>2</b> years with U.S. history and world history recommended for admission to the College of Engineering.	<b>3</b> years including courses in anthropology, economics, geography, government, history, psychology or sociology.	<b>3</b> years is essential, but four is better. Take at least one year each of U.S. and world history.  Additional courses in anthropology, economics, political science, psychology and sociology provide an important understanding of our political, social and economic institutions.
<b>WORLD LANGUAGE</b>	<b>2</b> years of a single world language for admission to the Colleges of Engineering and Liberal Arts and Sciences.	<b>2</b> years of a single world language are required for admission. For many degrees, the fourth year of proficiency is required for graduation.  Nursing—Minimum second-level proficiency in one world language.	World language courses are not required for admission. However, two years of world language in high school with a C- or above in the last course will meet the university graduation requirement.	<b>4</b> years of a single world language. By taking world language during all four years of high school, you'll go beyond the basic skills and begin to use the language and reinforce your fluency.
<b>OTHER COURSES</b>	Specific elective courses are not required for admission.	Specific elective courses are not required for admission.	<b>2</b> years of additional courses from the required subject areas, world language, or the fine arts.	Explore! Courses in the fine arts, performing arts, computers, or technology will help round out your high school experience. Your future field of concentration or career may lie in one of those areas. Follow your interests, talents, and the strengths of your school. Remember to choose courses with high academic standards.



# RAI Calculator



## Admission to Iowa's Regent Universities: Regent Admission Index

Use this to calculate your index, which is part of the admission requirements for Iowa high school students applying to Regent Universities.

### Regent Admission Index Calculator

To calculate your unofficial Regent Admission Index score, complete the fields below. You can also visit our [information page](#) for definitions and more details.

Regent Admission Index Calculator for high schools that do not provide rank

#### Regent Admission Index Formula

(3 x ACT composite score)

+

(30 x Cumulative GPA)

+

(5 x Number of years of high school courses completed in the core subject areas)

#### Test score

I took the

ACT Composite score:

#### Grade Information

Grade-point average

on a scale of

Number of completed core courses

CALCULATE

Based on the information provided, your unofficial index score is: 245

The calculator is an advising tool to help high school students plan and prepare for college. Your actual index will be computed by the institution when you apply for admission.

- [What Does This Index Mean?](#)
- [What If My Score is Below 245?](#)
- [Are There Other Admission Requirements?](#)