



Course Catalog

2026-2027

MIDDLE SCHOOL

Course Number	Course Name	Grade Offered
620001	Math 6 A	Grade 6
620002	Math 6 B	Grade 6
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820101	Math 8 A (PreAlgebra)	Grade 8
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700101	Language Arts 7 A	Grade 7
700102	Language Arts 7 B	Grade 7
800101	Language Arts 8 A	Grade 8
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640002	Science 6 B	Grade 6
740001	Science 7 A	Grade 7
740002	Science 7 B	Grade 7
840001	Science 8 A	Grade 8
840002	Science 8 B	Grade 8
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630002	Social Studies 6 B	Grade 6
730001	Social Studies 7 A	Grade 7
730002	Social Studies 7 B	Grade 7
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HEALTH & PHYSICAL EDUCATION		
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6700	Health and Physical Education 6	Grade 6
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8700	Health and Physical Education 8	Grade 8
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7425	MS Tech Apps 7	Grade 7
8425	MS Tech Apps 8	Grade 8
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8831	MS Career Exploration 2	Grade 6-8
8891	MS Coding 1A	Grade 6-8
8890	MS Coding 1B	Grade 6-8
8630	MS Exploring Business	Grade 6-8
8640	MS Exploring Health Science	Grade 6-8
8650	MS Exploring Information Technology	Grade 6-8
7430	MS Journalism	Grade 6-8
8620	MS WebQuest	Grade 6-8
ARTS		
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661001	Art 6 A	Grade 6
661002	Art 6 B	Grade 6
761001	Art 7 A	Grade 7
761002	Art 7 B	Grade 7
881001	Art 8 A	Grade 8
881002	Art 8 B	Grade 8
8610	Middle School Digital Art & Design	Grade 6-8
MUSIC		
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6820	Discovering Music II	Grade 5
6920	Discovering Music III	Grade 6
8820	Exploring Music II	Grade 7
8920	Exploring Music III	Grade 8

MIDDLE SCHOOL COURSE DESCRIPTIONS

MATH

Math 6 A/B

Students connect ratio and rate to whole number multiplication and division and also use the concepts of ratio and rate to solve problems. In addition, they expand their ability to divide fractions and to write, interpret, and apply expressions and equations. They also develop an understanding of statistical thinking.

Math 7 A/B

Students build their knowledge of proportional relationships and operations with rational numbers. They solve real-world problems involving scale drawings, geometric constructions, area, surface area, and volume. Students also draw inferences about populations based on samples.

Math 8 A/B (PreAlgebra)

This course helps students build strong skills in numbers, algebra, geometry, and data analysis. Students will work with real numbers and exponents, solve equations, explore functions, study geometric transformations, and apply math to real-world situations. By the end of the course, students will be prepared for high school mathematics through problem solving, critical thinking, and meaningful practice.

LANGUAGE ARTS

Language Arts 6 A/B

Through the study of authors such as Elizabeth Partridge, Gary Soto, and Langston Hughes, students ponder such questions as “Is conflict always bad?”; “How do we decide who we are?”; and “How much do our communities shape us?” Short-term research engages students’ curiosity and critical thinking skills. Students are encouraged to support their ideas with evidence as they practice narrative, informative, and persuasive writing.

Language Arts 7 A/B

By studying authors such as Amy Tan, Emily Dickinson, and Laurence Yep, students ponder such questions as “Does every conflict have a winner?”; “What is the best way to communicate?”; and “Do others see us more clearly than we see ourselves?” Short- and long-term research engages in their curiosity and critical thinking skills. Students are encouraged to integrate knowledge and ideas into their work as they practice narrative, informative, and persuasive writing.

Language Arts 8 A/B

Through the study of authors such as Nikki Giovanni, Elie Wiesel, and Mark Twain, students ponder such questions as “Can all conflicts be resolved?” “Is it our differences or our similarities that matter most?” and “Are yesterday’s heroes important today?” Students exercise their curiosity and critical thinking skills through short-term research. They refine and reinforce their skills by practicing narrative, informative, and persuasive writing.

SCIENCE

Science 6 A/B

This media-rich science course enables students to engage actively in inquiry-based investigations and science, technology, engineering, and math (STEM) projects, as well as cross-disciplinary and cross-curricular activities. Students are encouraged to make connections, collaborate, and reflect on their learning as they work through the content.

Science 7 A/B

This media-rich science course enables students to engage actively in inquiry-based investigations and science, technology, engineering, and math (STEM) projects, as well as cross-disciplinary and cross-curricular activities. Students are encouraged to make connections, collaborate, and reflect on their learning as they work through the content.

Science 8 A/B

This media-rich science course enables students to engage actively in inquiry-based investigations and science, technology, engineering, and math (STEM) projects, as well as cross-disciplinary and cross-curricular activities. Students are encouraged to make connections, collaborate, and reflect on their learning as they work through the content. As students advance through the courses, they receive an internationally benchmarked science education that covers the topics listed below.

SOCIAL STUDIES

Social Studies 6 A/B

Students focus on ancient civilizations. They begin by understanding a historian's role and utilizing the tools and skills he or she would use, including analyzing timelines, studying geography, and evaluating multiple sources. Students trace how societies shifted from hunting and gathering to farming. They also trace the development of ancient China, India, Mesopotamia, Egypt, Greece, and Italy. Students enhance their critical thinking by interpreting primary sources and reading eyewitness accounts to draw conclusions.

Social Studies 7 A/B

Students study political, economic, and social changes from the fifth century to modern times. They utilize their critical-thinking skills by making connections between historical events, such as the rise and fall of empires and the rise of democracy, and by analyzing long-term changes and recurring patterns in world history. Students complete a comprehensive study of the history, geography, and cultures of nations in North and South America. Thinking as historians, they analyze timelines, read primary source documents, form hypotheses, and draw conclusions.

Social Studies 8 A/B

In this course, students study the history of the North American continent. The course covers the early cultures that thrived in the Americas for thousands of years, the European exploration and colonization of the continent, and the subsequent rise of the United States. Students learn about the Civil War and the Reconstruction that followed. The course traces the advances made over the last century and a half and the role the United States has played in a changing world.

WORLD LANGUAGES

Middle Chinese I (Year Long Course)

Chinese I is an introductory-level course that will introduce the student to Mandarin Chinese. The units are designed to introduce the student to Chinese language and culture through familiar topics such as my family, my week, and food. Culture is presented throughout the course to help the student make connections between his culture and the culture of people in the Mandarin-speaking world.

Please Note: The World Languages courses require a headset and microphone which is compatible with the computer being used for the course.

Middle Chinese II (Year Long Course)

Middle Chinese II enables the student to further develop his communication skills as studies Mandarin Chinese at a more advanced level. The student will continue to learn about Chinese culture as the student studies about historic places in China and other Mandarin-speaking countries and learns of the holidays and special traditions celebrated there. The student will practice his acquisition of Mandarin Chinese skills by continuing to converse with a native Mandarin speaker.

Please Note: The World Languages courses require a headset and microphone which is compatible with the computer being used for the course.

Middle School Spanish I (Year Long Course)

Middle Spanish I is an introductory-level course that will introduce the student to Spanish. The units are designed to introduce the student to Spanish language and culture through familiar topics such as my family, my week, and food. Culture is presented throughout the course to help the student make connections between his culture and the culture of people in the Spanish-speaking world.

Please Note: The World Languages courses require a headset and microphone which is compatible with the computer being used for the course.

Middle School Spanish II (Year Long Course)

Middle Spanish II Middle Spanish II enables the student to further develop the communicative skills of listening, speaking, reading, and writing of Spanish at a more advanced level. The units are designed to develop the student's knowledge of Spanish language and culture through familiar topics such as my school, my family, and my neighborhood. Culture is presented throughout the course to help the student make connections between his culture and the culture of people in the Spanish speaking world.

Please Note: The World Languages courses require a headset and microphone which is compatible with the computer being used for the course.

HEALTH AND PHYSICAL EDUCATION

Health and Physical Education 6

In this course, students will meet a crew of virtual characters that will help them explore health and understand fitness. Among them is Coach Cardio, who will help students measure their growing fitness level by learning to keep their bodies physically fit. Students will complete various projects as they learn about themselves, fitness, and the world around them.

Health and Physical Education 7

In this course, students will reach new levels of fitness through sports, dance, aquatics, and more. Course characters will help guide and enhance their experience. Students will learn safety rules for exercises to improve their skills, how different activities target various parts of their body, and how to reach new goals.

Health and Physical Education 8

This course will provide students with practice in game strategy, sport skills, and performance. Students will discover the diversity of sports, nutrition, and peer pressure, while learning how to make effective decisions.

ELECTIVES

Home Life

Here, students select from several projects that develop skills through fun, experiential learning projects. Activities include cooking, crafts, sewing, home maintenance, family outings, and genealogy. Recently added projects include Lemonade Stand and Backyard Ecosystems.

MS Tech Apps 6

In this course, you will be introduced to some of the most important technological topics to place you on the path to well-rounded understanding. You will learn about your digital footprint, netiquette, and how to stay safe online. You will improve your typing, file management and organization skills as well as your knowledge of software programs. You will also learn about google apps, trends, coding, blogs and websites, photo and video software, and more! It's time to go digital!

MS Tech Apps 7

In this course, you will practice being a member of a team- listening to other's ideas and advocating for your own- and learn how to break a problem into steps represented with a flowchart. With the steps defined, you'll put your ideas into action coding with a robot in Scratch and a Rock, Paper, Scissors game. Finally, you'll look at various content creation methods like Google apps, blogs, podcasts, and videos, and think about who your audience might be. Let's move beyond the basics and into the ever-expanding world of tech apps.

MS Tech Apps 8

In this course, you will get a guided tour through this towering technological landscape from hacking and hardware, understanding algorithms and basic cybersecurity, and even implementing powerful tools like Google apps. You will also improve your ability to type, code, and use audio and video editing software. In the end, you will learn all about how to be an effective and responsible digital citizen in a cyberworld that is only growing increasingly quick and complex. Let's get up to speed!

MS Career Explorations 1

How do you pick a career path when you are not sure what is even out there? This course allows you to begin exploring options in fields such as teaching, business, government, hospitality, health science, IT, and more! You will align your interests, wants, and needs to career possibilities, including the required education for each. Let us find a pathway that works for you.

MS Career Explorations 2

Imagine that it is 20 years from now. What career do you see yourself in? What do you imagine that you will be doing? In this course, you will explore more careers and what it takes to succeed in different fields. You will learn more about what steps are needed to prepare for your career and how to compare the pros and cons of different career choices to find one that is best for you.

MS Coding 1A

Do you find yourself wondering how your favorite apps, websites, and games were made? You want to try building your own. Well, now you can! In Middle School Coding 1a, you will get an introduction to the basics of computer science, HTML, CSS, JavaScript, and Python. You will leave the course with a portfolio of work you can show off!

MS Coding 1B

Let us take the coding skills you learned in the previous course to the next level! You will expand your knowledge with Advanced Python, HTML, and JavaScript. You will further build your portfolio and start thinking about a career in the fast-growing IT field.

MS Exploring Business

Are you interested in business, leading people, or making decisions to help a business be successful? While there are many different career choices in the field of business, in this course, you will discover options such as management, human resources, business operations, information management, and accounting. Explore the skills you will need, common tasks, the technology used, and characteristics of various business careers.

MS Exploring Health Science

Where do healthcare workers spend their days? What do they really do? From cruise ships to sports arenas, you can find healthcare workers in many places that you might not expect. Explore this field, including what it would be like to work in a medical lab. Learn what it takes to keep you and your patients safe and begin to learn about the human body and basic first aid.

MS Exploring Information Technology

Are you interested in creating a website or app, or managing various technology solutions, but not sure where to start? If so, then it is time to explore the different career options available to you in IT and learn the foundations of IT to get you started. Examine various IT pathways for web and digital communications, information and support services, network systems, and programming and software development. Let us investigate which career pathway is right for you.

MS Journalism

Are you someone who likes to write to get the story straight? Skilled journalists know how to find key facts and write them up in a way that makes it easy for others to read. In this course, you will learn how to ask the right questions, how to gather information effectively, organize ideas, format stories, and edit your articles. Get ready to break that news

MS WebQuest

This interactive elective allows students to participate in an individualized WebQuest connected to their local community. Students research and engage in a project focused on maintaining or improving the community's environment, completing 12 visits that include data collection, note-taking, and activities to support the effort. Projects may be completed individually or with a group, with the goal of encouraging continued community involvement beyond the course.

ARTS

Art 6 A/B

The middle school art program is organized around the three artistic processes of creating, presenting, and responding. In addition, the program emphasizes how art and design can drive innovation in the same way science, technology, engineering, and mathematics do. Throughout the courses, students use various media and techniques to construct projects, collaborate with peers, and critique their own work as well as the work of other artists.

Art 7 A/B

In Art 7, students explore the wide range and variety of visual arts. They learn the basic elements of art and principles of design and apply them in their own creative ways. The course culminates in a study of factors involved in evaluating and critiquing art.

Art 8 A/B

In Art 8, students consider the preservation and protection of art. They then explore how international, national, and local art influences ideas, actions, cultures, and environments. Using this information, students build their own ideas of the role art plays in their lives.

MS Digital Art & Design

The world is filled with so many different forms of art – including digital art. In this course, you will explore this special genre of art found in everything from advertising to animation to photography and beyond. Additionally, you will tap into your creative side to create digital art and make it come alive.

MUSIC

Discovering Music II – 5th graders

This course builds on fundamental musicianship skills introduced in Discovering Music I. Aligning to the National Core Arts Standards, the course teaches the student to explore new concepts in rhythm and notation, as well as improve listening, notation, analysis, performance, and improvisation skills. The student will use a basic understanding of the orchestra to explore instrumentation and orchestration in more depth and analyze compositional styles from a range of periods. With audio, visual, and interactive technologies, this course provides a unique and advanced learning experience. Discovering Music I is a prerequisite for this course.

Discovering Music III - 6th graders

This course enhances the student's knowledge of musical cultures as they discover a musical identity. Aligning to the National Core Arts Standards, this course provides the student with engaging opportunities to combine musical knowledge with an exploration of different art forms to create new personal works. The student will apply foundational knowledge of music to a variety of musical styles and cultures. With audio, visual, and interactive technologies, this course provides a unique and advanced learning experience. Discovering Music I and Discovering Music II are prerequisites for this course

Exploring Music II - 7th graders

This course reviews and expands fundamental musicianship skills approached from a Western-Classical style, while aligning to the National Core Arts Standards. The student will review and expand basic skills and concepts of rhythm and notation that were introduced in Exploring Music I. The student will use classic repertoire to analyze compositional style and improve listening, notation, analysis, performance, and improvisation skills. With audio, visual, and interactive technologies, the course provides a unique and advanced learning experience. Exploring Music is a prerequisite for this course.

Exploring Music III - 8th graders

This course enhances the student's knowledge of musical cultures as they discover a musical identity. Aligning to the National Core Arts Standards, this course provides the student with engaging opportunities to combine musical knowledge with an exploration of different art forms to create new personal works. The student will apply foundational knowledge of music to a variety of musical styles and cultures. With audio, visual, and interactive technologies, this course provides a unique and advanced learning experience. Exploring Music I and Exploring Music II are prerequisites for this course.

HIGH SCHOOL

Minimum Credit Requirements to Graduate

Content Area	Credits
English	4.0 credits
Mathematics	3.0 credits
Science	3.0 credits
Social Studies	3.0 credits
Physical Education	1.5 credits
Health	0.5 credit
Personal Finance	0.5 credit
Electives	8.0 credit
Total	23.5 credits

Course Number	Course Name	Credits
ENGLISH - PAGES 18-20 <i>Graduation Requirement = 4.0 Credits</i>		
060001	English 9 A	0.5
060002	English 9 B	0.5
060401	English 10 A	0.5
060402	English 10 B	0.5
060801	English 11 A	0.5
060802	English 11 B	0.5
061401	English 12 A	0.5
061402	English 12 B	0.5
061601	AP English Language & Composition A	0.5
061602	AP English Language & Composition B	0.5
061801	AP English Literature & Composition A	0.5
061802	AP English Literature & Composition B	0.5
ENGLISH ELECTIVES - PAGES 21-22		
062001	Journalism 1A: Introduction	0.5
062002	Journalism 1B: Investigating the Truth	0.5
0626	Creative Writing	0.5
0697	Gothic Literature	0.5
0657	Speech and Debate	0.5
0699	Mythology and Folklore	0.5
0655	Fundamentals of English Composition	0.5
0646	Introduction to Grammar and Composition	0.5
0656	Reading and Writing for Purpose	0.5

MATHEMATICS – PAGES 22-26 <i>Graduation Requirement = 3.0 Credits</i>		
070001	Algebra 1 A	0.5
070002	Algebra 1 B	0.5
079901	Consumer Math A	0.5
079902	Consumer Math B	0.5
070801	Geometry A	0.5
070802	Geometry B	0.5
071501	Algebra 2 A	0.5
071502	Algebra 2 B	0.5
072001	Statistics A	0.5
072002	Statistics B	0.5
072401	AP Statistics A	0.5
072402	AP Statistics B	0.5
072201	Pre-Calculus A	0.5
072202	Pre-Calculus B	0.5
072301	Calculus A	0.5
072302	Calculus B	0.5
072601	AP Calculus AB A	0.5
072701	Reasonings in Math A	0.5
072702	Reasonings in Math B	0.5
072602	AP Calculus AB B	0.5
PERSONAL FINANCE – PAGE 27 <i>Graduation Requirement = 0.5 credits</i>		
0398	Personal Finance	0.5
SCIENCE – PAGES 27-31 <i>Graduation Requirement = 3.0 Credits</i>		
110001	Earth Science A	0.5
110002	Earth Science B	0.5
110601	Biology A	0.5
110602	Biology B	0.5
111401	Chemistry A	0.5
111402	Chemistry B	0.5
112001	Physics A	0.5
112002	Physics B	0.5
112601	*AP Biology A	0.5
112602	*AP Biology B	0.5
116701	Physical Science A	0.5
116702	Physical Science B	0.5
111801	Marine Science: 1A: Introduction	0.5
111802	Marine Science: 1B: Our Blue Planet	0.5
110401	Astronomy 1A: Introduction	0.5
110402	Astronomy 1B: Exploring the Universe	0.5
118501	Environmental Science A	0.5
118502	Environmental Science B	0.5
114001	Anatomy & Physiology A	0.5
114002	Anatomy & Physiology B	0.5

112701	AP Environmental Science A	0.5
112702	AP Environmental Science B	0.5
SCIENCE ELECTIVES – PAGES 31-32		
114010	Veterinary Science: The Care of Animals	0.5
114011	Principles of Agriculture, Food, & Natural Resources	0.5
1141	Agriscience 1: Introduction	0.5
114201	Agriscience 2a: Exploring Horticulture	0.5
114202	Agriscience 2a: Sustaining Human Life	0.5
SOCIAL STUDIES – PAGES 32-37 <i>Graduation Requirement = 3.0 Credits</i>		
U.S. History – Required 0.5 Credits		
120001	United States History A	0.5
120002	United States History B	0.5
120201	AP United States History A	0.5
120202	AP United States History B	0.5
121001	AP United States Government and Politics	0.5
1251	Geography and Society	0.5
1241	Human Geography: Our Global Identity	0.5
124401	AP Human Geography A	0.5
124402	AP Human Geography B	0.5
1295	World Geography	0.5
120401	World History A	0.5
120402	World History B	0.5
1293	American Government	0.5
	*REQUIRED WI CIVICS TEST	
1214	Economics	0.5
1216	AP Macroeconomics	0.5
1215	AP Microeconomics	0.5
121801	Psychology A	0.5
121802	Psychology B	0.5
122001	AP Psychology A	0.5
122002	AP Psychology B	0.5
1222	Sociology 1: The Study of Human Relationships	0.5
1223	Sociology 2: Your Social Life	0.5
SOCIAL STUDIES ELECTIVES - PAGE 37		
1283	History of the Holocaust (elective credit)	0.5
1284	Black History in America 1A: Introduction	0.5
1285	Black History in America 1B: Exploring the Black Experience	0.5
HEALTH AND PHYSICAL EDUCATION – PAGES 37-38 <i>Graduation Requirement = Health: 0.5 Credits, Physical Education: 1.5 Credits</i>		
Health – Required 0.5 Credits		
0963	Personal Health and Safety with Sex Education	0.5
Physical Education – Required 1.5 Credits		
0994	Physical Education I A	0.5
0995	Physical Education I B	0.5
0996	Physical Education II A	0.5

0997	Physical Education II B	0.5
0998	Physical Education III A	0.5
0999	Physical Education III B	0.5
0993	Personal Fitness	0.5
PHYSICAL EDUCATION ELECTIVES – PAGE 39		
0973	Nutrition & Wellness	0.5
ELECTIVES <i>Required 8.0 Credits</i>		
Law and Criminal Justice – PAGES 39-41		
1257	Law and Order	0.5
129601	Legal Admin Assistant 1A: Introduction	0.5
129602	Legal Admin Assistant 1B: Taking Care of the Legal Office	0.5
1297	Criminology: Inside the Criminal Mind	0.5
118801	Forensics 1a: Introduction	0.5
118802	Forensics 1b: Science of Crime	0.5
118901	Forensic Science 1: Secrets of the Dead	0.5
118902	Forensic Science 2: More Secrets of the Dead	0.5
129801	Careers in Criminal Justice 1A	0.5
129802	Careers in Criminal Justice 1B	0.5
129810	Principles of Public Service: To Serve & Protect	0.5
129820	National Security	0.5
129830	Military Careers: Introduction	0.5
BUSINESS AND COMMUNICATION – PAGES 41-47		
0300	Accounting 1A: Introduction	0.5
0302	Accounting 1B: Making Sense of the Money	0.5
125801	Business Law 1a: Introduction	0.5
125802	Business Law 1b: Legal Aspects of Business	0.5
126001	Business Communication 1A: Introduction	0.5
126002	Business Communication 1B: Listen, Speak, and Write in the Workplace	
126101	Business Ownership 1A: Introduction	0.5
126102	Business Ownership 1B: Reach for the Stars	0.5
039601	Human Resource Management 1A: Introduction	0.5
039602	Human Resource Management 1B: People & Performance	0.5
031401	Principles of Business, Marketing, and Finance 1A: Introduction	0.5
031402	Principals of Business, Marketing and Finance 1B: Targeting Your Business Insight	0.5
0321	Advertising and Sales Promotion	0.5
030701	Sports & Entertainment Marketing 1A: Introduction	0.5
030702	Sports & Entertainment Marketing 1B: Promoting the Main Event	0.5
0309	Sports Management	0.5
125901	Business Information Management 1A: Introduction	0.5
125902	Business Information Management 1B: Data Essentials	0.5
0316	International Business	0.5
032701	Public Speaking 1A: Introduction	0.5

032702	Public Speaking 1B: Finding Your Voice	0.5
039501	Marketing Foundations 1A: Introduction	0.5
039502	Marketing Foundations 1B: Building Your Base	0.5
031801	Entrepreneurship 1A: Introduction	0.5
031802	Entrepreneurship 1B: Make Your Idea a Reality	0.5
CAREER PLANNING & EXPLORATION – PAGES 47-48		
0331	Career Planning and Skill Development	0.5
031901	Computing for College and Careers 1A: Introduction	0.5
031902	Computing for College and Careers 1B: Refining Your Interests	0.5
0498	Life Skills: Navigating Adulthood	0.5
049810	Workplace and Internship Readiness: Preparing for Work & Life	0.5
TECHNOLOGY AND ENGINEERING – PAGES 48-56		
138001	Computer Maintenance 1A: Introduction	0.5
138002	Computer Maintenance 1B: Network Needs	0.5
1381	Concepts of Engineering and Technology	0.5
138201	Foundations of Game Design 1A: Introduction	0.5
138202	Foundations of Game Design 1B: Storytelling, Mechanics, Production	0.5
138301	Game Design for Chromebooks 1A: Introduction	0.5
138302	Game Design for Chromebooks 1B: From Prototype to Product	0.5
020201	Digital Design 1A: Introduction	0.5
020202	Digital Design 1B: Express Your Ideas Visually	0.5
138501	High School Computer Science A	0.5
138502	High School Computer Science B	0.5
138601	Cybersecurity 1A: Foundation	0.5
138602	Cybersecurity 1B: Defense Against Threats	0.5
138701	Coding 1A: Introduction to Programming	0.5
138702	Coding 1B: Plan, Design, Develop	0.5
138901	AI in Action 1A: Introduction	0.5
138902	AI in Action 1B: Exploring Tools & Tech	0.5
139101	Introduction to Networking 1A: Introduction	0.5
139102	Introduction to Networking 1B: Network Oversight	0.5
139201	Introduction to Programming 1A: Introduction	0.5
139202	Introduction to Programming 1B: Problem Solving Through Programming	0.5
139301	Networking Security Fundamentals 1A: Introduction	0.5
139302	Networking Security Fundamentals 1B: Forensics & Permissions	0.5
139401	Operational Cybersecurity 1A: Introduction	0.5
139402	Operational Cybersecurity 1B: Security & Planning in the Workplace	0.5
139901	Principles of Information Technology 1A: Introduction	0.5
139902	Principles of Information Technology 1B: Working with Computers	0.5
140001	Programming 2A: Procedural Programming	0.5
140002	Programming 2B: Creative Programming	0.5
140101	Web Development 1A: Introduction	0.5
140102	Web Development 1B: Planning and Designing	0.5
140201	Web Development 2A: Sketching and Scripting	0.5

140202	Web Development 2B: Website Goes Live	0.5
033201	Digital Media Fundamentals 1A: Introduction	0.5
033202	Digital Media Fundamentals 1B: Producing for the Media	0.5
0333	Social Media: Our Connected World	0.5
033401	Digital Media Web Design 2A: Build a Portfolio Website	0.5
033402	Digital Media Web Design 2B: Build an eCommerce Website	0.5
EDUCATION, HEALTHCARE, AND HUMAN SERVICES – PAGES 56-62		
047901	Sports Medicine 2A: Working with Clients	0.5
047902	Sports Medicine 2B: Personalizing Your Practice	0.5
048001	Teaching and Education 1A: Introduction	0.5
048002	Teaching and Education 1B: In the Classroom	0.5
048101	Pharmacology 1A: Introduction	0.5
048102	Pharmacology 1B: Analysis and Effects	0.5
048201	Pathophysiology 1A: Introduction	0.5
048202	Pathophysiology 1B: Beyond the Pathogen	0.5
048301	Nursing Assistant 1A: Introduction	0.5
048302	Nursing Assistant 1B: Patient Care	0.5
048401	Dental Assistant 1A: Introduction	0.5
048402	Dental Assistant 1B: Principles of Clinical Dentistry	0.5
048501	Dental Assistant 2A: Infection Prevention and Pharmacology	0.5
048502	Dental Assistant 2B: Exploring Specialized Areas of Dentistry	0.5
048601	Emergency Medical Responder 1A: Introduction	0.5
048602	Emergency Medical Responder 1B: Prepared for Action	0.5
048701	Health Science Foundations 1A: Introduction	0.5
048702	Health Science Foundations 1B: Professional Responsibilities	0.5
048801	Health Science Theory 1A: Introduction	0.5
048802	Health Science Theory 1B: Health Science Skills	0.5
048901	Human Growth Development 1A: Introduction	0.5
048902	Human Growth Development 1B: Journey into Adulthood	0.5
0494	Cosmetology 1: Cutting Edge Styles	0.5
049601	Early Childhood Education 1A: Introduction	0.5
049602	Early Childhood Education 1B: Developing Early Learners	0.5
049603	Child Development 1A: Journey through Childhood	0.5
049604	Child Development 1B: Working with Children	0.5
049001	Allied Health Assistant 1A: Introduction	0.5
049002	Allied Health Assistant 1B:	0.5
049101	Medical Assistant 1A: Introduction	0.5
049102	Medical Assistant 1B: Medical Assisting in Action	0.5
049201	Medical Office Administration 1A: Introduction	0.5
049202	Medical Office Administration 1B: Vital to the Front Office	0.5
049701	Medical Terminology 1A: Introduction	0.5
049702	Medical Terminology 1B: Discovering Word Foundations	0.5
ART – PAGES 62-63		
132801	Digital Photography 1A: Introduction	0.5
132802	Digital Photography 1B: Creating Images with Impact	0.5
132901	Digital Photography 2: Discovering Your Creative Potential	0.5

0206	Introduction to Drawing	0.5
0299	Art in World Cultures	1.0
020301	Art History A	0.5
020302	Art History B	0.5
MUSIC – PAGES 63-64		
0805	Living Music I	0.5
0807	Living Music II	0.5
0898	Music Appreciation	0.5
WORLD LANGUAGES – PAGES 64-67		
053801	American Sign Language 1A: Introduction	0.5
053802	American Sign Language 1B: Learn to Sign	0.5
054001	American Sign Language 2A: Communicating	0.5
054002	American Sign Language 2B: Advancing Communication Skills	0.5
054101	American Sign Language 3A: Community and Culture	0.5
054102	American Sign Language 3B: Conversations and Culture	0.5
050001	French I A	0.5
050002	French I B	0.5
050201	French II A	0.5
050202	French II B	0.5
050401	French III A	0.5
050402	French III B	0.5
050601	French IV A	0.5
050602	French IV B	0.5
051001	German I A	0.5
051002	German I B	0.5
051201	German II A	0.5
051202	German II B	0.5
051401	German III A	0.5
051402	German III B	0.5
052001	Japanese I A	0.5
052002	Japanese I B	0.5
052201	Japanese II A	0.5
052202	Japanese II B	0.5
052801	Spanish I A	0.5
052802	Spanish I B	0.5
053001	Spanish II A	0.5
053002	Spanish II B	0.5
053201	Spanish III A	0.5
053202	Spanish III B	0.5
053401	Spanish IV A	0.5
053402	Spanish IV B	0.5
053901	AP Spanish Language A	0.5
053902	AP Spanish Language B	0.5

ENGLISH (REQ. 4.0 CREDITS)

English 9 A (0.5 Credit)

In this course, the student will examine a variety of literary genres, writing forms, and elements of discourse through study, practice, and application of skills, strategies, and higher-order thinking. Instruction focuses on classic and contemporary literature and compelling informational and explanatory texts, with an examination of language and style elements. In addition, the student will gain the tools needed to become a proficient communicator through hands-on exploration of the writing process, culminating in the development of narrative and explanatory essays, and through the acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the development of spelling, usage, mechanics, and grammar. Instruction in English 9 is delivered through three learning approaches: narrative, or comprehensive instruction focused on a particular grade-level learning goal; peer model videos, in which a fellow student demonstrates the instruction, and 21st century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in future education, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.

English 9 B (0.5 Credit)

In this course, the student will examine a variety of literary genres, writing forms, and elements of discourse through study, practice, and application of skills, strategies, and higher-order thinking. Instruction focuses on a thorough analysis of classic and contemporary literature and compelling informational, explanatory, and argumentative texts along with an investigation of media literacy. In addition, the student will gain the tools needed to become a proficient communicator through hands-on and analytical exploration of the research and writing processes, culminating in the development of an argumentative essay, a book review, and a research paper/presentation, and through the acquisition of speaking and listening skills required for thoughtful and respectful discussion.

English 10 A (0.5 Credit)

In this course, the student will examine a variety of literary genres, writing forms, and elements of discourse through study, practice, and application of skills, strategies, and higher-order thinking. Instruction focuses on a thorough understanding of classic and contemporary literature and compelling informational and explanatory texts, with an exploration of language and style elements. In addition, the student will gain the tools needed to become a proficient communicator through hands-on exploration of the writing process, culminating in the development of narrative and explanatory essays, as well as through the acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the development of spelling, usage, mechanics, and grammar. Instruction in English 10 is delivered through three learning approaches: narrative, or comprehensive instruction focused on a particular grade-level learning goal; peer model, in which a fellow student demonstrates the instruction through videos; and 21st century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in future education, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.

English 10 B (0.5 Credit)

In this course, the student will examine a variety of literary genres, writing forms, and elements of discourse through study, practice, and application of skills, strategies, and higher-order thinking. Instruction focuses on a thorough analysis of classic and contemporary literature and compelling informational, explanatory, and argumentative texts along with an investigation of media literacy. In addition, the student will gain the tools needed to become a proficient communicator through hands-on and analytical exploration of the research and writing processes, culminating in the development of an argumentative essay, a book review, and a research paper/presentation, and through the acquisition of speaking and listening skills required for thoughtful and respectful discussion.

English 11 A (0.5 Credit)

In this course, the student will examine a variety of literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher-order thinking. Instruction focuses on a thorough analysis of classic and contemporary literature and compelling informational, explanatory, and argumentative texts along with an investigation of media literacy. In addition, the student will gain the tools needed to become a proficient communicator through hands-on and analytical exploration of the research and writing processes, culminating in the development of an argumentative essay, a book review, and a research paper/presentation, and through the acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the development of spelling, usage, mechanics, and grammar. Instruction in English 11 is delivered through three learning approaches: narrative, or comprehensive instruction focused on a particular grade-level learning goal; peer model, in which a fellow student demonstrates the instruction through videos; and 21st century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in future education, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.

English 11 B (0.5 Credit)

In this course, the student will examine a variety of different literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher order thinking. Instruction focuses on a thorough understanding of classic and contemporary literature, poetry and drama, and compelling informational and explanatory text as well as an exploration of language and style elements. The student is also encouraged to become a proficient communicator through a hands-on exploration of the writing process, culminating in the development of narrative and explanatory essays, as well as through the acquisition of speaking and listening skills required for thoughtful and respectful discussion.

English 12 A (0.5 Credit)

In this course, the student will examine a variety of different literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher order thinking. Instruction focuses on a thorough understanding of classic and contemporary literature, poetry and drama, and compelling informational and explanatory text as well as an exploration of language and style elements. The student is also encouraged to become a proficient communicator through a hands-on exploration of the writing process, culminating in the development of narrative and explanatory essays, as well as through the

acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the student attends spelling, usage, mechanics, and grammar. Instruction in English 12 is delivered through three learning approaches: narrative, or comprehensive instruction focused on a particular grade-level learning goal; peer model videos, in which a fellow student demonstrates the instruction, and 21st century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in future education, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.

English 12 B (0.5 Credit)

In this course, the student will examine a variety of different literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher order thinking. Instruction focuses on a thorough analysis of classic and contemporary literature and compelling informational, explanatory, and argumentative text along with an investigation of media literacy. The student is also encouraged to become a proficient communicator through a hands-on and analytical exploration of the research and writing processes, culminating in the development of an argumentative essay, a book review, and a research paper/presentation, as well as through the acquisition of speaking and listening skills required for thoughtful and respectful discussion.

AP English Language and Composition A/B (1.0 Credit)

In AP English Language and Composition, students investigate rhetoric and its impact on culture through analysis of notable fiction and nonfiction texts, from pamphlets to speeches to personal essays. The equivalent of an introductory college-level survey class, this course prepares students for the AP exam and for further study in communications, creative writing, journalism, literature, and composition. Students explore a variety of textual forms, styles, and genres. By examining all texts through a rhetorical lens, students become skilled readers and analytical thinkers. Focusing specifically on language, purpose, and audience gives them a broad view of the effect of text and its cultural role. Students write expository and narrative texts to hone the effectiveness of their own use of language, and they develop varied, informed arguments through research. Throughout the course, students are evaluated with assessments specifically designed to prepare them for the content, form, and depth of the AP Exam. AP English Language and Composition is recommended for 11th and 12th grade students.

AP English Literature and Composition A/B (1.0 Credit)

The AP® English Literature and Composition course provides high school students with college-level instruction in reading, interpreting, and analyzing a range of imaginative texts. The student will become a skilled reader of literature written in various periods, disciplines, and styles. The student will learn about elements of poetry and novels such as language, style, and tone, as well as become immersed in a study of drama involving William Shakespeare's *King Lear*. In addition, the student will deepen understanding of language, structure, and style by composing a variety of written texts—both formal and informal—that use literary tools and structures to analyze, argue, and inform. This course effectively prepares the student for the AP English Literature and Composition exam by enabling reading, writing, and comprehension of complex texts, while developing further communication skills on a college level.

ENGLISH (ELECTIVES)

Journalism A (0.5 Credit)

Does your curiosity lead you to an important aspect? Channel this curiosity into developing strong writing, critical thinking, and research skills to perform interviews and write influential pieces, such as articles and blog posts. Learn about the evolution of journalism and its ethics, bias, and career directions to forge your path in this field.

Journalism B (0.5 Credit)

Journalists are asked to tell the world a story every single day—and their job is, to tell the truth. Learn how to choose a topic, structure your story, research facts, hone your observational skills, and draft an article following journalism tradition. Go beyond the print world and discover how journalism can lead to exciting careers that will put you right in the action.

Creative Writing (0.5 Credit)

Writing can change the world. Think about the Declaration of Independence, the Bill of Rights, and Lincoln's 2nd Inaugural Address. How have these writings shaped our country and the future? While you learn how to unleash the core of your imagination to develop your own creative writing, you will also explore creative writing through foundational literary works from the 18th to 20th century of Colonialism to American Gothic to Modernism, and everything in between, while evaluating original writings and their interpretations.

Gothic Literature (0.5 Credit)

It was a dark and stormy night, and the vampires, ghouls, and undead were on the prowl... Gothic Literature is riddled with the spooky, but did you know that this genre is so much more than a scary form of entertainment? In Gothic Literature, you will learn about how some of the world's greatest authors from the 19th century through today used Gothic elements to tackle issues that needed serious attention: the class system, gender norms, racism, social injustice, and more! Grab your monster gear and explore why Gothic literature has retained its appeal even with today's audiences.

Speech and Debate (0.5 Credit)

In this course, students learn how to apply visuals, style, stories, organization, and nonverbal communication to speeches. Students will learn tactics to help overcome fear, participate in debates, and rehearse effectively. Students will also learn how to evaluate great speeches from history as well as more modern media messages.

Mythology and Folklore (0.5 Credit)

Since the beginning of time, people have gathered around fires to tell stories of angry gods, harrowing journeys, cunning animals, horrible beasts, and the mighty heroes who vanquished them. Mythology and folklore have provided a way for these colorful stories to spring to life for thousands of years and helped humans make sense of the world. Explore how these compelling tales continue to shape society even today.

Fundamentals of English Composition (0.5 Credit) Teacher Placement Only

As a beginning writer, you will gain the tools you need to write effectively for school and life in Fundamentals of English Composition. In this one-semester course, you will explore not only how to write, but why. All writing serves a purpose. This course defines the characteristics of effective writing, identifies different purposes for writing, and teaches you strategies for achieving those purposes. The course also provides in-depth instruction on the writing process, focusing on prewriting and revision. In the last part of the course, you will evaluate your own work by looking at it through the eyes of a reader. When you finish the course, you will have written an analytical essay, a persuasive cover letter, and a personal narrative; you will also have been exposed to peer review practices and guidelines for accepting and offering constructive criticism.

Introduction to Grammar and Composition (0.5 Credit) Teacher Placement Only

Before you can learn to write, you have to master the art of composing sentences and using the correct words. If you struggle with language and grammatical rules get in the way of your ability to write, Introduction to Grammar and Composition will be a great course for you. This one-semester course focuses on using words and sentences correctly while keeping the goal of your writing in mind. This course shows you how words, sentences, paragraphs, and essays help writers express their thoughts. You will be given tools to understand and apply language and writing skills from the ground up. You will learn about the writing process and practice your skills through a variety of writing exercises. The goal of this course is to give you the confidence and skills you need to write a polished essay.

Reading & Writing for Purpose (0.5 Credit)

As you move through high school to college or to your career, the types of writing and documents become more high stakes. Real-world information can be journalistic and researched-based articles, legal, insurance, college entrance forms, employment, vehicle-related documents, and more. Learn how to critically read, write, and evaluate real-world writings to set you up for your future success.

MATHEMATICS (REQUIRED 3.0 CREDITS)

Algebra 1 A (0.5 Credit)

In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving solutions is important, as are precision and vocabulary, but instruction you does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core algebraic concepts and development of procedural fluency regarding rational and irrational numbers; structures of expressions; 1-variable equations and inequalities; quadratic equations; 2-variable equations and inequalities; functions and their graphs; and linear and exponential sequences. Each instructional learning object is aligned to and framed by one of eight Standards for Mathematical Practice. Students are encouraged to use visual representations of their thinking to bridge their understanding between concrete and abstract, allowing patterns and geometric principles to come to life. In peer model videos throughout the course, the learner's peers demonstrate to apply targeted mathematical

skills, often using real-world examples. Instruction in 21st century skills further illustrate connections between mathematical concepts and real-world situations to support students' development of the abilities, knowledge, and expertise they need to thrive in today's world.

Algebra 1 B (0.5 Credit)

In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving solutions is important, as are precision and vocabulary, but instruction does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core algebraic concepts and development of procedural fluency regarding function analysis, transformations of functions, solving problems with functions, univariate data sets, bivariate data sets, and modeling with algebra.

Consumer Math A (0.5 Credit)

This is the first of two courses that comprise Consumer Math. In this course, the student will learn that money is lost or gained depending upon the information a consumer has to help him make informed decisions. Retailers, banks, and credit card companies may not provide consumers with all the information they need to make good decisions. By the end of this course, the student will understand the history of money, define fixed costs and discretionary spending, understand the importance of savings, and recognize the dangers of debt. This course will ask the student to look hard at his financial choices including spending patterns, purchasing motivations, and how to make some difficult decisions.

Consumer Math B (0.5 Credit)

This is the second of two courses that comprise Consumer Math. In this course, students will continue to learn how to make good financial decisions. Retailers, banks, and credit card companies may not provide consumers with all the information they need to make good decisions. By the end of this course, the student will differentiate between secured and unsecured debt, learn how to create a budget, examine a credit report, and discover the best way to increase income and decrease expenses. This course will provide the students with the skills to make good financial decisions.

Geometry A (0.5 Credit)

In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving solutions is important, as are precision and vocabulary, but instruction does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core geometry concepts and development of procedural fluency, beginning with geometry basics: points, lines, and planes; segments, angles, parallel lines, and perpendicular lines; and sides of triangles. The course continues with coverage of constructing regular shapes; transformations; triangle congruence; formal proofs; coordinate geometry; and similarity. Each instructional learning object is aligned to and framed by one of eight Standards for Mathematical Practice. Students are encouraged to use visual representations of their thinking to bridge their understanding between concrete and abstract, allowing patterns and geometric principles to come to life. In peer model videos throughout the course, the learner's peers demonstrate to apply targeted mathematical skills, often using real-world examples. Instruction

in 21st century skills further illustrate connections between mathematical concepts and real-world situations to support students' development of the abilities, knowledge, and expertise they need to thrive in today's world.

Geometry B (0.5 Credit)

In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving solutions is important, as are precision and vocabulary, but instruction does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core geometry concepts and development of procedural fluency regarding trigonometry, constructing ramps, inverse trigonometry, circles, constructing tangent lines, 2D and 3D shapes, modeling with geometry, and probability.

Algebra 2 A (0.5 Credit)

In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving solutions is important, as are precision and vocabulary, but instruction does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core algebraic concepts and development of procedural fluency regarding polynomials; polynomial functions and graphs; rational expressions and equations; complex numbers; trigonometry; periodic functions; and exponents and radicals. Each instructional learning object is aligned to and framed by one of eight Standards for Mathematical Practice. Students are encouraged to use visual representations of their thinking to bridge their understanding between concrete and abstract, allowing patterns and geometric principles to come to life. In peer model videos throughout the course, the learner's peers demonstrate to apply targeted mathematical skills, often using real-world examples. Instruction in 21st century skills further illustrate connections between mathematical concepts and real-world situations to support students' development of the abilities, knowledge, and expertise they need to thrive in today's world.

Algebra 2 B (0.5 Credit)

In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving solutions is important, as are precision and vocabulary, but instruction does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core algebraic concepts and development of procedural fluency regarding logarithms; exponential and logarithmic functions; finite geometric series; storytelling with functions; modeling data distributions; statistical studies and randomization; conclusions from sample data; and conclusions from experimental data.

Statistics A/B (1.0 Credit)

In this course, the student will be introduced to the major concepts of collecting, organizing, and drawing conclusions from data. The student will also have the opportunity to observe patterns and departures from patterns, plan a study, produce models using probability and simulation, and use statistical inference to confirm models.

AP Statistics A (0.5 Credit)

AP Statistics gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results of a poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real-world uncertainties, statistics plays an important role in many fields. The equivalent of an introductory college-level course, AP Statistics prepares students for the AP exam and for further study in science, sociology, medicine, engineering, political science, geography, and business. This course has been authorized by the College Board to use the AP designation. *Advanced Placement® and AP® are registered trademarks and/or owned by the College Board, which was not involved in the production of, and does not endorse this product. **Required Materials:** TI-89, TI-84 Plus, TI-83, or TI-83 Plus calculator or equivalent

AP Statistics B (0.5 Credit)

AP Statistics gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results of a poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real-world uncertainties, statistics plays an important role in many fields. The equivalent of an introductory college-level course, AP Statistics prepares students for the AP exam and for further study in science, sociology, medicine, engineering, political science, geography, and business. This course has been authorized by the College Board to use the AP designation. *Advanced Placement® and AP® are registered trademarks and/or owned by the College Board, which was not involved in the production of, and does not endorse this product. **Required Materials:** TI-89, TI-84 Plus, TI-83, or TI-83 Plus calculator or equivalent

Pre-Calculus A (0.5 Credit)

The first course in Precalculus provides an in-depth study of the algebraic and graphical characteristics of functions. Students also investigate and explore conic sections, sequences, and series. Students use graphing calculators and explore real world applications of the topics in order to achieve a more complete understanding of the mathematical concepts.

Pre-Calculus B (0.5 Credit)

The second course in Precalculus examines trigonometric functions, identities, and applications. Students also investigate and explore polar coordinates, vectors, and parametric equations. Students use graphing calculators and explore real world applications of the topics to achieve a more complete understanding of mathematical concepts. Mathematical reasoning and problem-solving skills are stressed as students prepare for future high school or college coursework in calculus. Vectors and parametric equations, complex numbers, and exponential and logarithmic functions. The final unit introduces students to the fundamentals of the calculus.

Calculus A (0.5 Credit)

Calculus A introduces limits, differentiation, and applications of differentiation. The student will find and evaluate finite and infinite limits graphically, numerically, and analytically. The student will find derivatives using a variety of methods including the chain rule and implicit differentiation. Then the student will use the first derivative test and the second derivative test to analyze and sketch functions. Finally, the student will find derivatives using a variety of methods including substitution. The use of a graphing calculator is considered an integral part of the course, and the student will use a graphing calculator throughout this course.

Calculus B (0.5 Credit)

Calculus B introduces integration of functions, differential equations, and applications of integration. The student will calculate anti-derivatives using a variety of methods including substitution. The student will evaluate integrals using a variety of methods, including numerical integration. Then the student will understand and apply Riemann sums, definite integrals, and the Fundamental Theorem of Calculus. In particular, the student will differentiate and integrate logarithmic, exponential, and inverse trigonometric functions. The student will solve simple differential equations, which can be solved by separation of variables, and use the calculations to solve applied problems. The student will use integration to determine the area between two curves, volume, and surface area. Finally, the student will apply integration to determine work, center of mass, and fluid force. The use of a graphing calculator is considered an integral part of the course, and the student will use a graphing calculator throughout this course.

Reasoning in Mathematics A/B (0.5 Credit)

Reasoning in Mathematics is a two-semester course designed to prepare students for success in college, career, and life, with instruction that focuses on how mathematics and statistics inform decision-making. Students will apply quantitative reasoning to real-world situations, describing and analyzing statistical data and modeling data with functions. They will also apply matrices, truth tables, and algorithms to draw conclusions. In addition, students will analyze real-world financial scenarios involving credit card debt, loans, savings, and investments. Throughout the course, they will discover new concepts and deepen their conceptual understanding through guided instruction in an interactive, feedback-rich environment.

AP Calculus AB A (0.5 Credit)

In this course, the student will complete the first semester of coursework similar to a first-year college-level calculus course. This course covers the framework, mathematical practices, and learning objectives for an AP® Calculus AB course as recommended by the College Board. This course provides experience with the methods and applications of calculus and effectively prepares the student to take the AP Calculus AB exam in the spring. The overarching topics in this course are limits, continuity, derivatives, methods of finding derivatives, and applications of derivatives. The student will interact with lesson content, multimedia presentations, an online textbook, and a graphing utility to meet learning goals throughout the course. Featured learning strategies in this course include direct instruction, regular checks and practices, discussions, portfolios, and a practice assessment for the AP Calculus AB exam.

AP Calculus AB B (0.5 Credit)

In this course, students will complete the second semester of coursework like a first-year college-level calculus course. This course covers the framework, mathematical practices, and learning objectives for an AP® Calculus AB course as recommended by the College Board. This course provides experience with the methods and applications of calculus and effectively prepares the student to take the AP Calculus AB exam in the spring. The overarching topics in this course are integrals, methods of finding integrals, applications of integrals, differential equations, and mathematical modeling. Featured learning strategies in this course include direct instruction, regular checks and practices, discussions, portfolios, a project that applies concepts from across the course, and a practice assessment for the AP Calculus AB exam.

PERSONAL FINANCE - (Req: 0.5 Credits)

Personal Finance (0.5 Credit)

Personal Finance prepares students for making sound financial decisions through real-world applications. Topics include financial and career planning, banking, credit, and debt. Students will also learn about savings and investments programs and will begin to evaluate stocks, bonds, mutual funds, and real estate. Personal Finance provides students with the basics to protecting finances, exploring concepts such as tax strategies, insurance, retirement, and estate planning. Finally, students receive an overview of financial options for continuing education.

SCIENCE - Earth Science (Req: 0.5 Credits)

Earth Science A (0.5 Credit)

Earth Science A is designed to give the student a strong basis for understanding the world. The course consists of a varied curriculum that provides the student with the opportunity to explore, compare, research, reflect, and make real-world connections. The curriculum, which meets Next Generation Science Standards (NGSS), engages students in problem solving and scientific investigation, discussion, and provides opportunities for both hands-on exploration and virtual simulation. During this course, the student will learn about space sciences, including topics like the sun and stars, orbital motion, galaxies, and the universe. The student will also explore Earth's processes of rock and mineral formation, plate tectonics and weathering, and erosion.

Earth Science B (0.5 Credit)

Earth Science B is designed to give the student a strong basis for understanding the world. The course consists of a varied curriculum that provides the student with the opportunity to explore, compare, research, reflect, and make real-world connections. The curriculum, which meets Next Generation Science Standards (NGSS), engages students in problem solving and scientific investigation, discussion, and provides opportunities for both hands-on exploration and virtual simulation. During this course, the student will explore Earth's processes involving the atmosphere, hydrosphere, and geosphere, as well as studying natural resources. Topics of study include water resources; energy resources; rock, mineral, and land resources; meteorology; and geologic history.

Life Sciences (Req: 1.0 Credits)

Biology A (0.5 Credit)

Biology A is designed to give the student a strong basis for understanding the world. The course consists of a varied curriculum that provides the student with the opportunity to explore, compare, research, reflect, and make real-world connections. The curriculum, which meets Next Generation Science Standards (NGSS), engages students in problem-solving and scientific investigation and provides opportunities for both hands-on exploration and virtual simulation. During this course, the student will study the science of life. The student will explore the idea that living things are extremely diverse in form yet are unified by certain core

characteristics that they all share. In learning about these core characteristics, the student will be able to critically evaluate data and information related to biological problems, connect many ideas to the student's own life, and see the world in a new way.

Biology B (0.5 Credit)

Biology B is designed to give the student a strong basis for understanding the world. The course consists of a varied curriculum that provides the student with the opportunity to explore, compare, research, reflect, and make real-world connections. The curriculum, which meets Next Generation Science Standards (NGSS), engages students in problem-solving and scientific investigation and provides opportunities for both hands-on exploration and virtual simulation.

Chemistry A (0.5 Credit)

In this first of two courses that comprise Chemistry, the student will explore the fundamental concepts of chemistry, while engaging in hands-on and virtual lab experiments, and interdisciplinary problem-solving activities. The student will build on prior knowledge to learn how to model the structure of an atom, analyze the periodic table of elements, identify simple chemical reactions, and investigate particulate electrical forces. The course provides many opportunities for the student to apply these concepts to real-world situations.

Chemistry B (0.5 Credit)

In this second of two courses that comprise Chemistry, the student will explore the fundamental concepts of chemistry, while engaging in hands-on and virtual lab experiments, and interdisciplinary problem-solving activities. The student will build on prior knowledge to learn about how energy is transformed in chemical reactions, construct explanations of how energy and matter are related, apply the conservation of mass to calculate and compare quantities of substances in reactions, and develop models of nuclear processes.

Physics A (0.5 Credit)

Physics A Standard is designed to describe the physical world using a small number of basic assumptions, concepts, and equations. The course emphasizes physics relating to the everyday world. Physics A focuses on understanding motion. The students will explore the concepts involved with motion in one- and two dimensions, forces, work and energy, momentum and collisions, circular motion and gravitation. The students will recognize the importance of the laws of thermodynamics. Approximately 40 percent of the course involves virtual laboratory investigations. Some activities will require ordinary household items such as rulers, meter sticks, balls or marbles, strings, paper, and pencils.

Physics B (0.5 Credit)

Physics B Standard is designed to describe the physical world using a small number of basic assumptions, concepts, and equations. The course emphasizes physics relating to the everyday world. Physics B focuses on the characteristics of waves and describes the behavior of waves with emphasis on light and sound. The student will understand the relationship between electricity and magnetism. Finally, the student will gain a simple understanding of atomic physics. Approximately 40 percent of the course involves virtual laboratory investigations. Some activities will require ordinary household items such as rulers, meter sticks, balls or marbles, strings, paper, and pencils.

AP Biology A (0.5 Credit)

In this course, the student will gain a foundation in the Life Sciences by focusing on four major themes: 1) how evolution drives the diversity and unity of life; 2) how life uses free energy to maintain homeostasis; 3) how living systems store, retrieve, transmit, and respond to information; and 4) how biological systems interact with each other. These themes are supported by a broad range of biological subdisciplines including biochemistry, molecular biology, cell biology, genetics, physiology, and ecology. The students will use practical experimentation to develop inquiry and reasoning skills to explore these themes throughout the course. This course effectively prepares the student for success on the AP® Biology exam by promoting the deductive reasoning and experimental interpretation skills emphasized in the AP curriculum.

AP Biology B (0.5 Credit)

In this course, the student will gain a foundation in the Life Sciences by focusing on four major themes: 1) how evolution drives the diversity and unity of life; 2) how life uses free energy to maintain homeostasis; 3) how living systems store, retrieve, transmit, and respond to information; and 4) how biological systems interact with each other. These themes are supported by a broad range of biological subdisciplines including biochemistry, molecular biology, cell biology, genetics, physiology, and ecology. The students will use practical experimentation to develop inquiry and reasoning skills to explore these themes throughout the course. This course effectively prepares the student for success on the AP® Biology exam by promoting the deductive reasoning and experimental interpretation skills emphasized in the AP curriculum.

Physical Sciences (Req: 1.0 Credits)**Physical Science A (0.5 Credit)**

This is the first of two courses that comprise Physical Science. Throughout the semester, the student will be introduced to a variety of basic concepts in the field of chemistry. The student will also be introduced to the forces and motion, including topics of Newton's laws and the conservation of momentum. This course consists of a varied curriculum that provides the student with the opportunity to use a scientific approach to problem-solving and making real-world connections. The student will investigate how matter is classified, explore the structure of an atom, identify groups within the periodic table, compare chemical reactions, study the properties of acids and bases, and identify how to apply forces and motion to objects.

Physical Science B (0.5 Credit)

This is the second of two courses that comprise Physical Science. Throughout the semester, the student will study a variety of essential physics concepts including energy of motion, energy and forces, thermal energy, non-contact forces, waves, and electromagnetic radiation. This course includes a variety of instructional strategies and provides the student with the opportunity to use a scientific approach to problem-solving and making real-world connections. Physical Science B includes hands-on explorations and virtual simulations to enhance the student's comprehension of key concepts.

Marine Science: Intro A (0.5 Credit)

From tiny puddles to vast oceans, water allows for processes that impact all things around us from wildlife and the air we breathe to our health and more! In this course, you will examine the essential nature of water and how its special properties support all life on Earth. Through the lens of the Scientific Method, you will engage with scientific inquiry to study aquatic ecosystems and how water, land, and weather all work together to create unique living environments. You will also learn about scientists who were critical to aquatic science and how to form valid and reliable conclusions from your study of water like they did. Let's dive in and see what makes water vital to life.

Marine Science: Secrets of the Blue B (0.5 Credit)

Water is the flowing lifeline of the Earth, and it impacts the life of every living creature. But have you ever stopped thinking about human' impact on water? In this course, you will discover more about the role we play in both threatening and protecting water sources. You will explore climate change and other events that concern Earth's water sources and expand your knowledge of marine science careers. You will also plan and execute a cumulative research project exploring an aquatic environment near you using the Scientific Method. Let's dive in and continue your exploration of the World's water!

Astronomy 1A: Introduction (0.5 Credit)

Ever wondered how the Earth developed and exists in the vastness of space? How do scientific laws of motion and gravity play a role in its existence? Discover answers to these questions and explore the origin of the universe, the Milky Way, and other galaxies and stars, including the concepts of modern astronomy and the methods used by astronomers to learn more about the universe.

Astronomy 1B: Exploring the Universe (0.5 Credit)

Ready to explore our amazing and dynamic universe even further? You'll be taken on an exciting journey through the solar system to explore the sun, comets, asteroids, meteors, life cycles of stars, and planets' properties. Become familiar with the concepts of space travel and settlements, and what it could be like to live and work in space. How exciting

Environmental Science A (0.5 Credit)

Environmental Science A offers students the opportunity to understand the concepts fundamental to ecology and measures to prevent damage to the environment. Lessons in the A course review scientific methods, discuss biodiversity, and review earth processes, including the rain and carbon cycles. Students take a detailed look at the various types of pollution and study how to safeguard resources.

Environmental Science B (0.5 Credit)

In the second course of Environmental Science, students learn about environmental programs and policies, including waste management and conservation. Students study the effect of environmental organizations as well as government agencies charged with protecting the environment. The final unit examines technology and its impact on the environment; topics include energy production, modern agriculture, and public land management.

Anatomy and Physiology 1a: Introduction (0.5 Credit)

Thinking about a career in health, but not sure where to start? You're in the right place!

Anatomy and physiology is the study of the body structures and how they function. From the tiniest molecule to the largest organ, a fascinating journey occurs. In this course, you will explore the organization of the human body, including the integumentary, skeletal, muscular, nervous, and endocrine systems and their common conditions. You will also learn to speak the language of medicine and how to apply laboratory skills. And along the way, you'll discover the many exciting career paths available to you – anatomy and physiology is the perfect place to get started!

Anatomy and Physiology 1b: Discovering Form and Function (0.5 Credit)

From the beat of the heart to the breaths we take, the human body is a network of amazing systems that work together in harmony. Explore what keeps us alive and discover more about the cardiovascular, respiratory, lymphatic, immune, digestive, urinary, and reproductive systems. Through in-depth explanations and real-world patient case studies, you'll gain an understanding of how body systems interact and support each other, equipping you with the knowledge to understand everyday wellness and complex medical conditions.

AP Environmental Science A/B (1.0 Credit)

The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand interrelationships in the natural world, identify and analyze environmental problems that are natural and human-made, and prepare for the AP Environmental Science exam. Students evaluate the relative risks associated with these problems and examine alternative methods for resolving or preventing problems. Hands-on and virtual lab experiences support students' ability to master the content.

SCIENCE ELECTIVES

Veterinary Science: The Care of Animals (0.5 Credit)

Whether you want to step into the wild side of veterinary medicine or just take care of loveable dogs and cats, explore how to care for domestic, farm, and wild animals, diagnose their common diseases and ailments, and learn about different veterinary treatments. If you have always been drawn to the world of our furry, scaly, and feathered friends, this is the course for you!

Principles of Agriculture, Food and Natural Resources (0.5 Credit)

Did you know that the world's population could be 11 billion people by 2050? With a growing population, how do we keep everyone fed? This is where the importance of agriculture, food, and natural resources comes in! Gain a stronger sense of how we can maximize the foods and natural resources the earth provides. Learn more about agriculture history, animal husbandry, plant science, and natural resources, and you'll be better prepared for your part in sustaining the world.

Agriscience 1: Introduction (0.5 Credit)

The word "agriculture" often evokes images of farms, fields, and livestock, and while all of these representations are correct and essential, the field of Agriculture is so much more! In

Agriscience I: Introduction, you'll explore how agriscientists play key roles in improving agriculture, food production, and the conservation of natural resources along with the technologies used to keep the field thriving. Are you ready to explore the diverse careers in agriscience and how you can prepare to positively impact the planet? Let's get growing!

Agriscience 2a: Exploring Horticulture (0.5 Credit)

Get ready to dig deep beneath the water table to examine how plants and ecosystems impact the world of agriculture science. In this course, you will explore the uses and life cycle of plants as well as plant parts, genetics, functions, and processes. You will also develop an understanding of the horticulture industry, ethical impact and trends of the trade, and career opportunities in this fruitful field. Grab your gloves and prepare to leach some agriscience knowledge.

Agriscience 2b: Sustaining Human Life (0.5 Credit)

Are you ready to embark on a botanical adventure? From home gardens to farms, dive into the world of plants and discover how to keep your plants thriving! This course provides an overview of the principles of landscape design, including the tools that help with planning and application to residential projects. Learn how to transplant and propagate, manage pests and diseases, and keep plants healthy through the proper use of pruning and weeding. Explore horticulture's impact on the environment and the role that you play. This course is your ticket to a greener and more vibrant world.

SOCIAL STUDIES

****Wisconsin Civics Test REQUIRED****

In some states, students are required to take a civics test. This test is composed of some of the same questions that the United States Citizenship and Immigration Services uses for people applying for U.S. citizenship. These questions encompass topics such as principles of democracy, American symbols, historical events from the early colonial period, current events in American history, geography, and the rights and responsibilities of citizens. Some assessment questions on this civics test will be state-specific and test students' knowledge of state governors, representatives, or the state capitol. This test promotes an understanding of American history and citizen participation in a democracy.

U.S. History A (Req: 0.5 Credits)

United States History A (0.5 Credit)

This course examines social, economic, historical, geographical, and political change in the United States from the exploration and settlement of the Americas to recent events. Students will compare characteristics of societies that interacted during the exploration and colonization of the Americas. Through interactive activities, discussions, charts, timelines, primary sources, and maps, students will explore key events, patterns, and figures that shaped American history and culture. Students will evaluate important foundational documents such as the Declaration of Independence and the Constitution. The course will also investigate the changing relationship of the United States to the rest of the world. In-depth study of the cause and effect of important events will help students better understand the historical context of key

developments. Students will receive instruction in analyzing essential historical documents through portfolio items and lesson activities. Readings and activities will assist students in comparing time periods and in developing historical reasoning and critical thinking skills. Through this course, students will gain a broader understanding of the relevance of American history to their lives as well as develop a better understanding of the impact of key events on American culture and society.

United States History B (0.5 Credit)

This course examines social, economic, historical, geographical, and political change in the United States from the exploration and settlement of the Americas to recent events. Students will compare characteristics of societies that interacted during the exploration and colonization of the Americas. Through interactive activities, discussions, charts, timelines, primary sources, and maps, students will explore key events, patterns, and figures that shaped American history and culture. Students will evaluate important foundational documents such as the Declaration of Independence and the Constitution. The course will also investigate the changing relationship of the United States to the rest of the world.

AP United States History A/B (1.0 Credit)

The AP® United States History course provides high school students with college-level instruction in using disciplinary practices and historical reasoning to examine the history of the United States from approximately 1491 to the present. The student will look critically at how the American identity has developed over the course of American history and how it has been informed by the changing nature of American culture and societal structures and norms. Students will recognize and interpret patterns of migration and settlement—both to and within the United States—and how those patterns impacted and were impacted by aspects of regional geography and environment. The student will also consider political and economic patterns and relationships in American history, both within the nation and with the global community at large. Through their study of each of these areas, the student will hone reasoning skills to contextualize patterns and events, identify causation and continuity, and analyze change over time. The course is presented both chronologically with content divided into nine time periods, as well as thematically to reinforce that key themes form connections between different regions and time periods in American history. This course effectively prepares students for the AP United States History exam by providing practice in the skills necessary to analyze primary and secondary sources, construct evidence-based arguments, and draw reasoned conclusions in both multiple-choice and constructed-response formats.

AP United States Government and Politics (0.5 Credit)

The AP® United States Government and Politics course provides high school students with college-level instruction in using disciplinary practices to examine key ideas, institutions, and behaviors in American government. The student will look critically at the fundamental beliefs and philosophies that shaped American government and how those ideas have been interpreted and applied throughout history. The student will develop a deep understanding of the U.S. Constitution and the American political system—both its formal and informal processes and procedures. In addition, the student will examine specific governmental institutions, policies, interactions, and behaviors within the political system. Through study of each of these areas, the student will hone reasoning skills by developing evidence-based arguments, interpreting various types of data, and analyzing key documents, including

foundational documents and Supreme Court decisions. This course effectively prepares the student for the AP United States Government and Politics exam by providing practice in the skills necessary to draw reasoned conclusions in both multiple-choice and constructed response formats.

Geography and Society (0.5 Credit)

Students explore geography skills and principles as they examine several case studies with geographic implications. They gain an understanding of the ways in which geography influences the daily lives of people around the world. This course covers the concepts of physical geography, human and environmental interaction, human systems, and the movement of peoples and their cultures.

Human Geography (0.5 Credit)

Modern humans have been roaming the Earth for about 200,000 years. How do the places we live influence the way we live? How do geography, weather, and location relate to our customs, beliefs, and lifestyles? Learn how diverse people have physically influenced the world around them and how they, in turn, are changed by their surroundings. Let's explore the important relationship between humans and their environments.

AP Human Geography A/B (1.0 Credit)

The AP® Human Geography course provides high school students with college-level instruction in using a spatial perspective to study how humans understand and use Earth's surface. The student will become skilled in interpreting maps and geospatial data to draw conclusions about what is revealed and hidden. The student will hone analysis skills by learning to recognize, interpret, and assess patterns related to population, migration, folk and popular culture, language and religion, and politics. This course effectively prepares the student for the AP Human Geography exam by providing practice in the skills necessary to apply geographic concepts, interpret data, and synthesize information in both multiple-choice and constructed-response formats.

World Geography (0.5 Credit)

Students explore the world's cultural regions by focusing on location, physical characteristics, demographics, historical changes, economic activity, and land use. They are encouraged to examine real-life situations, develop an understanding of multiculturalism, and explore the relationship between people and their environment.

World Studies (Req. 1.0 Credits)

World History Beginning to Present A/B (1.0 credit)

In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into critical explorers of historical context. The course focuses on several overarching themes, including human-environment interaction, development and interactions of societies, conflict, and the expansion of belief systems and ideas that would transform societies. Each unit's theme is reflected in a unit-level essential question. Essential questions throughout the instruction reinforce the unit level essential question and connect to

the specific learning goals of the lesson. World History instruction is presented in close alignment with state and national standards. Daily instruction supports students learning core historical content as well as critical thinking and literacy skills. Instruction is presented in two modes: Peer Model, in which students view a video of a peer learning how to use and apply the target skill or concept, and 21st Century, in which the student gains proficiency in the skills, knowledge, and expertise needed to succeed in work and life. Text assets are used frequently throughout the course to provide the student with experience in reading and interpreting primary and secondary source documents. Excerpts may include scholarly papers, magazines, and newspaper articles. Students put an inquiry-based approach into practice by working directly with these assets through the lens of unit and lesson themes as well as specific learning goals. Check-In and Practice activities allow students to confirm understanding, resolve misconceptions, and apply their learning to new situations. Together, the course elements ensure the student grows as a critical thinker and interpreter of the multiple stories of history and master the skills to succeed in work and life.

Civics/Government (Req. 0.5 Credits)

American Government A/B (1.0 Credit)

In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into critical explorers of civics and American government. The course focuses on a variety of topics, including the Constitution, the structure and function of government, civil rights, economic policy, politics, and participation in the political process. American Government instruction is presented in close alignment with the national and state standards. Daily instruction supports students learning core government and civics content as well as critical thinking and literacy skills. Instruction is presented in two modes: Peer Model, in which students view a video of a peer learning how to use and apply the target skill or concept, and 21st Century, in which the student gains proficiency in the skills, knowledge, and expertise needed to succeed in work and life. Text assets and visual media are used frequently throughout the course to allow the student to gain experience in reading and interpreting data from a variety of sources. Students put an inquiry-based approach into practice by working directly with these assets through the lens of unit and lesson themes as well as specific learning goals. Check-In and Practice activities allow students to confirm understanding, resolve misconceptions, and apply their learning to new situations. Together the course elements ensure the student gains an awareness of the structure and function of American government, grows as a critical thinker and eventual participant in the political process, and master's the skills to succeed in work and life.

Economics (Req: 0.5 Credits)

Economics (0.5 Credit)

This course addresses concepts of economics, including a review of the American free enterprise system. Students learn about markets, business and labor, and banking and finance in the microeconomics sections, and then learn about measuring economic performance, the government's role in the economy, and international trade and development in the macroeconomics section.

AP Macroeconomics (0.5 Credit)

AP Macroeconomics students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. They'll also examine how individuals, institutions, and influences affect people, and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production

AP Microeconomics (0.5 Credit)

AP Microeconomics studies the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students will learn why the same product costs different amounts at different stores, in different cities, at different times. They'll also learn to spot patterns in economic behavior and how to use those patterns to explain buyer and seller behavior under various conditions. Microeconomics studies the economic way of thinking, understanding the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in promoting a healthy economy.

Psychology or Sociology (Req: 0.5 Credits)

Psychology A (0.5 Credit)

The exploration of psychology begins with a historical review of how man has sought to explain human behavior from ancient times to today. Students learn about the research methods and how the scientific method of inquiry moved psychology from hypnosis and mesmerism to serious inquiry utilizing hard science to prove theories.

Psychology B (0.5 Credit)

In Psychology B, students investigate brain personality theories to understand the complex mental processes of learning, memory, thought, and language. Mental health issues, ranging from stress to disorders, are discussed, and the last unit reviews various methods of therapy.

AP Psychology A/B (1.0 Credit)

AP Psychology provides an overview of current psychological research methods and theories. Students will explore the therapies used by professional counselors and clinical psychologists and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection. They will study core psychological concepts, such as the brain and sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Along the way, students will also investigate relevant concepts like study skills and information retention. The equivalent of an introductory college-level survey course, AP Psychology, prepares students for the AP exam and for further studies in psychology or life sciences.

Sociology 1: The Study of Human Relationships (0.5 Credit)

The world is becoming more complex. How do your beliefs, values, and behavior affect the people around you and the world in which we live? Students will examine social problems in our increasingly connected world and learn how human relationships can strongly influence

and impact their lives. Exciting online video journeys to an array of areas in the sociological world are an important component of this relevant and engaging course.

Sociology 2: Your Social Life (0.5 Credit)

Have you ever looked at your social media feed and wondered why there is always so much fighting over social issues? Discover how social institutions like families, religion, government, and education shape our world and how collective behavior and social movements can create change. Investigate how our lives are shaped by entertainment, social institutions, and social change.

SOCIAL STUDIES (ELECTIVES)

History of the Holocaust (0.5 Credit)

“For the dead and the living, we must bear witness.” Discover the harrowing details of the history of the rise of anti-Semitism that contributed to the start of the Holocaust and the power of the Nazi party. Learn of the persecution of European Jews and other groups, and the tremendous aftermath for everyone involved in World War II, and what has been done since to combat genocide.

Black History in America 1A: Introduction (0.5 Credit)

By examining the stories of brave men and women who persevered, built community and contributed to our nation’s goals—sometimes amid great persecution—we can all learn how to pave a brighter future. Learn about the incredible history of Black people who have left a mark on the fabric of the United States to the ways the country has wrestled with its past to understand slavery, emancipation, and the fight for civil rights in our nation.

Black History in America 1B: Exploring the Black Experience (0.5 Credit)

By examining the stories of brave men and women who persevered, built community and contributed to our nation’s goals—sometimes amid great persecution—we can all learn how to pave a brighter future. Learn about the incredible history of Black people who have left a mark on the fabric of the United States to the ways the country has wrestled with its past to understand slavery, emancipation, and the fight for civil rights in our nation.

HEALTH AND PHYSICAL EDUCATION

Health: (Req. 0.5 Credits)

Personal Health and Safety with Sex Education (0.5 Credit)

Being healthy is not just about eating right and exercising—although those are important to your health, too. Your health includes your physical well-being as well as your mental and social welfare. Personal Health and Safety is an introductory, one semester course that examines three aspects of health— mental, physical, and social—to help you live a healthy, informed, and balanced life. Mental health topics include self-esteem, stress reduction, and depression. The course covers the social health topics of conflict management and

communication skills. You will be equipped with ways to resist peer pressure when faced with unhealthy and destructive behaviors, including smoking, drinking alcohol, and drug abuse. The course also reviews the physical aspects of health: wellness, exercise, first aid, and healthy habits. In addition, this course conveys the risks of sexual activity, including unplanned pregnancy and sexually transmitted diseases. It also presents options for eliminating these risks. As part of this discussion, the course includes an overview of infectious and noninfectious diseases, how they affect the body, and how they can be prevented.

Physical Education: (Req. 1.5 Credits)

Physical Education I A/B (0.5 Credit)

Physical Education I introduces topics to help you understand the importance and meaning of true physical fitness. You will learn how to apply different approaches to help you achieve a healthy weight and keep your bones and muscles strong. At the beginning of the course, your lessons will focus on providing you with the tools and knowledge you need to design, maintain, and build a fitness routine. To support your fitness routine and safety, you will learn about the proper exercise techniques for aerobic conditioning, strength training, and flexibility. Toward the end of the course, you will receive an overview of several different types of fitness careers, learn how to locate fitness resources in your community, and discover the social, mental, and physical benefits of exercise.

Physical Education II A/B (0.5 Credit)

Physical Education II aims to provide you with the tools and knowledge you need to design, maintain, and build a balanced fitness routine. The course discusses the proper form for different types of exercise, including aerobic conditioning, strength training, and flexibility, along with general safety guidelines for working out. These topics will help you understand the importance and meaning of true physical fitness and apply different methods for achieving healthy weight, bones, and muscles. Fitness tests and logs allow you to determine your baseline fitness level and track your progress as you improve in all areas of physical fitness.

Physical Education III A/B (0.5 Credit)

Physical Education III provides students with the tools and knowledge they need to design, maintain, and build on their own fitness routine. In addition to creating an individualized fitness plan, you will be introduced to techniques for losing, gaining, and maintaining a healthy weight. Lessons introducing stretching techniques and balancing exercises will help you create a balanced fitness plan that includes more than just playing sports or visiting the gym. The course discusses proper forms for different types of exercise, along with the general safety guidelines for working out. You will learn about the importance of nutrition by evaluating your eating habits, planning healthy meals, and completing nutritional logs.

Personal Fitness (0.5 Credit)

The lessons in Personal Fitness help students gain an understanding of the proper ways to exercise and diet, as well as learn how to assess their own fitness level. The course also teaches strategies to attain the highest possible fitness level.

Phy ED Electives

Nutrition & Wellness (0.5 Credit)

To keep our body and our mind running like finely tuned machines, we need to use the right fuel. For humans, that means nourishing our bodies with the right foods. In this course, you'll explore how food affects essential aspects of your life from your weight to how you age to how well you think. You'll also examine how outside influences- family, peers, and the media- can affect your diet and your perception of food and how to set yourself up for nutritional success. Are you interested in a career in holistic wellness? Start your health journey now with Nutrition and Wellness.

ELECTIVES

LAW AND CRIMINAL JUSTICE

Law and Order (0.5 Credit)

Imagine if there were no laws and people could do anything they wanted. Every society needs some form of regulation to ensure peace in our daily lives and in broader areas of business, family disputes, traffic violations, and the protection of children. Explore the importance of laws and how their application affects us as individuals and communities. Through understanding the court system and how laws are enacted, you'll learn to appreciate the larger legal process and how it safeguards us all.

Criminology (0.5 Credit)

Why do certain people commit horrible acts? Can we ever begin to understand their reasoning and motivation? Perhaps. The mental state of a criminal can be affected by many different aspects of life: psychological, biological, sociological, all of which have different perspectives and influences. Investigate not only how these variables affect the criminal mind but also how crimes are investigated and handled in the criminal justice system.

Forensics 1a: Introduction (0.5 Credit)

Our notions of forensics are often fictionalized, containing fantastic notions of what forensic science really is. In this course, you'll explore the truth behind science from its history to its modern-day developments. You will learn how detectives conduct thorough investigations as well as common equipment and methods that are used throughout the field. Finally, you will learn about collecting and analyzing the most common types of evidence found at a crime scene and how they guide investigators to answers. Let's track your interests and continue your pursuit of justice through science!

Forensics 1b: Science of Crime (0.5 Credit)

You've investigated the surface and have started building a case, but now it's time to examine the field of forensics further. In this course, you will delve into the details, studying DNA analysis, forensic anthropology, tool marks, arson, impressions, toxicology, questioned documents, and digital forensics. You will also explore the different specialties within a forensics team. You'll

learn more about what each field entails, what that specialist does at the scene and in the lab, and what conclusions can be made based on their analysis. Let's continue strengthening your case and interests in this fascinating field.

Forensic Science 1: Secrets of the Dead (0.5 Credit)

Fingerprints. Blood spatters. Gunshot residue. If these things intrigue you rather than scare you, then forensic science may be for you. Explore the riveting job of crime scene analysis, and learn the techniques and practices applied during a crime scene investigation, including how clues and data are recorded and preserved. Discover how technology is applied to make discoveries and bring criminals to justice.

Forensic Science 2: More Secrets of the Dead (0.5 Credit)

Students will continue to explore forensic technologies and apply knowledge to more complex scenarios and case studies.

Careers in Criminal Justice A (0.5 credit)

Have you ever wondered what steps take place as people move through the court system? The criminal justice system is a very complex field that requires dedicated people willing to pursue equal justice for all. Explore different career choices and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order.

Legal Admin Assistant 1a: Introduction (0.5 Credit)

Do you picture yourself working in a law office or maybe even in a courtroom someday? A rewarding career as a legal administrator means you are responsible for the day-to-day operations in a law firm, and therefore, need to learn the fundamentals of law. You'll need to understand the specifics of researching, creating, processing, filing legal documents, and more. Jumpstart your career in law by learning what it takes to be a legal admin.

Legal Admin Assistant 1b: Taking Care of the Legal Office (0.5 Credit)

Wherever your legal admin career takes you, understanding the responsibilities of a law office requires strict attention to detail, communication skills, office competence, and legal savvy. What does a legal admin need to know and what duties do they perform? How do confidentiality, cybersecurity, and client relations look different in a legal office? Learn the answers to these questions and so much more for this exciting career with endless opportunities to prove your value, learn, and grow.

Principles of Public Service: To Serve & Protect (0.5 Credit)

Public service is a field that focuses on building a safe and healthy world, and you'll explore the many different career choices that are imperative to our comfort and success as a society. The protection of society is not only one of our greatest challenges, but it also provides ways for people to work together to ensure safety and provide indispensable services. If you have ever contemplated being one of these real-life heroes, now is the time to learn more!

National Security (0.5 Credit)

Do you know what it takes to keep an entire nation safe? It not only requires knowledge of how to handle disasters, but it also demands a cool head and tremendous leadership abilities. Learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats. Discover the requirements of our nation's most demanding career.

Introduction to Military Careers (0.5 Credit)

Do you really understand how the military works or what it can do for you? The military offers far more career diversity than most people imagine. You will learn about the five military branches – Air Force, Army, Coast Guard, Marines Corps, and Navy – and examine which jobs you might like to pursue. From aviation to medicine, to law enforcement, the military can be an outstanding place to achieve your dreams in a supportive and well-structured environment.

Careers in Criminal Justice B (0.5 credit)

Have you ever thought about a career as a police officer, an FBI or DEA agent, or any occupation that seeks to pursue justice for all? Careers in criminal justice can be found at local, county, state, and federal levels, and even in the private sector. Explore some of the various occupations in this field, while simultaneously learning how they interact with each other and other first responders. Discover various interviewing techniques to uncover the truth. Understand the importance of making ethical decisions, and how you need

BUSINESS AND COMMUNICATION

Accounting 1a: Introduction (0.5 Credit)

Accounting is more than numbers and spreadsheets; it's about unlocking the secrets of financial success and understanding how to drive a company forward. The individual who understands business finances holds sway in the organization. From decoding financial statements to mastering corporate ethics, real-world scenarios expose you to accounting principles and provide opportunities to apply your knowledge. Whether you're exploring if accounting aligns with your career aspirations or you dream of becoming an entrepreneur and want to gain a deeper understanding of managing the "books", this course will empower you to navigate accounting and make excellent decisions.

Accounting 1B: Making Sense of the Money (0.5 Credit)

This course is not about crunching numbers; it's about understanding how accounting shapes business and how you can make a difference. Building on what you already know, this course takes you deeper into real-life applications of the accounting cycle. You will explore how modern tools, like inventory management, payroll, and cutting-edge technology, are shaping accounting today. Think like a boss as you work on a project throughout this course: managing internal controls for your own fictional company. Accounting is your chance to make an amazing impact in business and life.

Business Communication 1a: Introduction (0.5 Credit)

No matter what career you're planning to pursue, excellent professional communication will be key to your success. Upgrade your abilities in speaking, listening, writing, using and reading body language, and communicating in teams and groups. Discover how to plan, create, and deliver business presentations and communicate through graphics. In no time, you'll be communicating with confidence, stand out from your peers, and impress your employer.

Business Communication 1b: Listen, Speak, and Write in the Workplace (0.5 Credit)

You've learned your audience, found your voice, and can read the body's unspoken words. Now, it's time to limber up those fingers and learn the P's and Q's of communicating in a business setting. In this course, you're going to take the basic writing skills you've developed and revise them so you can take new approaches to planning, building, and distributing documents for a business audience. You'll continue to explore the essentials of writing while drafting new understandings of business documents, and then you'll learn to apply your business communication skills to job applications, interviews, and presentations. No matter your career of choice, learning to effectively communicate will help your professionalism grow leaps and bounds. Let's get writing!

Business Ownership 1a: Introduction (0.5 Credit)

Do you dream of a future where you can have creative freedom, working in an industry you love, where you can get up every morning excited about the day will bring? In this course, you'll learn the skills you'll need in order to take your dream and transform it into a successful business. You'll explore foundations like generating ideas to qualifying opportunities, analyzing the market, and identifying skills for successful deployment. You'll learn to keep your business rolling and growing through effective workplace leadership and training while incorporating technological innovations to keep your business competitive. Are you ready to turn your dreams into reality? Let's get goaling!

Business Ownership 1b: Reach for the Stars (0.5 Credit)

You've defined your business and made a plan to launch your vision, and now, it's time to turn that business into a well-oiled machine! In this course, you'll familiarize yourself with tried-and-true strategies for success! You'll distinguish market segments, develop the appropriate market mix, brand your business, create a top-notch customer service environment, and calculate financial factors for the crucial first year- and every year after! Owning a booming business doesn't happen by accident. Let's learn what it takes and execute on the essentials to turn your business vision into a reputable reality!

Business Law 1a: Introduction (0.5 Credit)

Whether you plan on starting your own business or overseeing one, it is crucial for you to understand how to keep the company compliant. Explore what it means to run an ethical business, how to keep intellectual property, technology, and e-commerce safe and protected, understand insurance and taxes, and how to have a healthy workplace environment. Keep the business safe and growing by following the law.

Business Law 1b: Legal Aspects of Business (0.5 Credit)

Whether you plan to start your own business, work for an organization, or go into law, it's essential to understand more complex legal requirements that impact business operations and decisions. This is especially true as companies grow and expand domestically and internationally. Explore the differences between criminal and civil law. Examine how state and federal regulations work to protect consumer and employees' rights, protect society and the environment, and understand how business contracts can work to protect everyone.

Human Resource Management 1A: Introduction (0.5 credit)

Are you ready to step into a critical leadership role that oversees the development of every successful business' most valuable resource? In this course, you will wear the shoes of a Human Resource Management (HRM) professional and will learn how to build and manage a team to help a company reach its goals. You will also explore and perform some of the key responsibilities of a HRM professional: research, interviewing, reporting, recruiting, hiring, assessing employees, and more! Are you ready to help develop invaluable human resources that are the heart of a company and help your company thrive? Learn how to create a winning culture through human resources!

Human Resource Management 1B: People & Performance (0.5 credit)

You've learned the basics about the critical role HRM plays in business' success, and now it's time to dive deeper into the role's main responsibilities from a practical perspective. In this course, you'll step into the shoes of an HRM professional and explore key duties such as onboarding, training and development, retaining and terminating employees, safety and risk management, company communication, and more! You'll also learn about different career opportunities in the field of HRM, develop collaterals based on real-world scenarios involving HRM tasks and responsibilities, and the role of HRM in a global environment.

Principles of Business, Marketing, and Finance 1A: Introduction (0.5 Credit)

Discover how leadership, ethics, marketing and advertising, finance and operations management shape businesses through the lens of real-life innovators like Gitanjali Rao and Palmer Luckey. Get hands-on by creating your own brand, Random Acts of Coffee, and see how a socially responsible café operates from the ground up. By the end of the course, you'll take your first steps towards success by crafting key parts of your own business plan.

Principles of Business, Marketing, and Finance 1B: Targeting Your Business Insight (0.5 Credit)

Explore topics like marketing, finance, and running ethical businesses by analyzing the strategies of young entrepreneurs, such as Brian Chesky and Joe Gabbia, and Kylie Jenner. Every unit applies concepts to real-life practices through IRL features—Business IRL, Marketing IRL, Accounting IRL—to help you see the relevance of business principles. This course can help you build a business that makes a difference—while preparing for future success!

Advertising and Sales Promotion (0.5 Credit)

Great marketing strategies can be powerful. Every year companies spend approximately \$200 billion promoting their products and services – and that's just in the United States alone! Explore how marketing campaigns, ads, and commercials are brought to life and meet some

of the creative folks who produce them. Learn about different marketing career opportunities and discover ways to be part of this exciting, fast-paced industry.

Sports & Entertainment Marketing 1A: Introduction (0.5 Credit)

The bright lights. The roaring crowds. The chants and cheers and applause. If you are drawn to the electricity of large events and the challenge of making events successful, a career in sports and entertainment marketing may be for you! In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You 'll also explore the necessary steps to chart your own career path from among the professional roles that these industries need to operate. Let's get off the sidelines and hop into the primetime of the sporting and entertainment worlds!

Sports & Entertainment Marketing 1B: Promoting the Main Event (0.5 Credit)

In this course, you'll secure a solid foundation of effective marketing by studying the different roles and levels and how they relate to one another. Then, you'll explore the modern marketing methods professionals use to take an event concept and make it successful. Finally, you'll get up to speed on industry terminology and touchpoints with the help of HR. Get ready to flash that pass and gain all-star access to the stage and arena!

Sports Management (0.5 Credit)

This course will introduce you to the fast-growing field of sports management. You will explore topics such as sports marketing, branding, ticket sales, public relations, broadcasting, and breaking into the business of sports management. This course will also discuss the role of sports in society and the importance of an ethical approach to sports management.

Business Information Management 1A: Introduction (0.5 Credit)

Do you dream of owning your own business someday, or working for a company in a leadership position? Wherever your path may lead you, having the essential knowledge of business types, requirements to start a business, understanding of finances, business law, marketing, sales, customer service, and more, will ensure you're on the path to success. Let's explore your passion for business in this course!

Business Information Management 1B: Data Essentials (0.5 Credit)

Now that you have the basics of business down from the previous course, it's time to become better acquainted with the application of information management in business. Learn about professional conduct, teamwork, and managerial skills, while also examining careers in business technology. The basics of word processing, spreadsheets, databases, and presentation software are also explored so that you become better prepared for jobs in this field.

International Business (0.5 Credit)

International business has transformed in recent decades, with companies like Google, Uber, Nike, and Amazon expanding globally. Increased interconnectivity, advanced technology, and support for international trade have opened the doors—or borders—for businesses, big and small, to join the world economy. Going global involves more than just setting up “shop” abroad. This course explores crucial aspects of global success: interacting with different countries and cultures, overcoming language barriers, understanding business laws, handling

risks of political and economic changes, and managing global supply chains. Discover how your favorite brands went globally and how you can do it too!

Public Speaking 1A: Introduction (0.5 Credit)

Step up, speak out, and own the spotlight—wherever it may be! This course will give you the tools and confidence to tackle any speaking situation, from classroom discussions to national broadcasts. You'll discover how to select powerful topics, tune in to your audience, and deliver speeches that make an impact while overcoming the fear that holds so many back. Thanks to practical and easy-to-use strategies, you'll develop a voice that's not just heard but remembered. Whether you're dreaming of a future in the media or just want to speak up with confidence, this course is your launchpad to success!

Public Speaking 1B: Finding Your Voice (0.5 Credit)

Ready to level up your speaking skills? This course builds on what you learned in Public Speaking 1a and dives into the performance techniques that turn good speakers into unforgettable ones. You'll explore how to use your voice, posture, movement, and visuals to grab attention and keep it. From class projects to online presentations, you'll learn what works in front of an audience – and what doesn't. With tips from great speakers, fun, and practical activities, and lots of opportunities to practice, you'll feel more prepared and confident when it's time to speak. Whether you dream of being a politician, influencer, polished motivational speaker – or just want to feel better prepared when you take the stage – this course gives you the tools to stand out and shine!

Marketing Foundations 1A: Introduction (0.5 Credit)

Explore the fast-paced and exciting world of marketing! Learn about the role of marketing in business in addition to the basics of business management, customer service, and economics. Examine how to identify target markets, perform market research, and develop successful marketing strategies. Discover the legal and ethical considerations of business and marketing, along with the impact of government on business.

Marketing Foundations 1B: Building Your Base (0.5 Credit)

Dig deeper into the world of marketing and what it means for business success! Become a marketing mix pro by studying understanding branding, advertising, promotion strategies, and more, through real-world applications and practices. And explore the secrets of advertising and promotion. Learn about effective sales techniques and discover employment opportunities to pursue a career in this exciting field!

Entrepreneurship 1A: Introduction (0.5 Credit)

Starting a business is more than just having a good idea. Successful entrepreneurs know how to use and apply fundamental business concepts to turn their ideas into thriving businesses. Explore topics such as identifying the best business structure, business functions and operations, finance, business laws, regulations, and more! If you have ever dreamed of making a business idea a reality, take the time to establish a solid foundation of business skills to make your business dreams come true!

Entrepreneurship 1B: Make Your Idea a Reality (0.5 Credit)

You have the business idea; now it's time to go from dream to reality. Throughout this course, you'll explore different topics representing the major parts of a business plan, such as risk, hiring, pricing, marketing, and more. By completing activities, you'll create a viable document you can use to help you start your business by the end of the course. Let's bring your dream to life!

Management 1a: Introduction (0.5 Credit)

From the shift managers at small businesses to the CEOs of large companies, effective management is key to any organization's success. Explore foundational management concepts such as leadership, managing teams, entrepreneurship, global business, finance, and technology and innovation. Engage in a capstone that pulls all of the concepts you've learned together, allowing you to see how management ideas can be applied to a business case study. Get started with learning the fundamentals of successful management.

Management 1b: Insight & Oversight (0.5 Credit)

Every business and company needs management of some type. But what skills must you master in order to become an effective professional? Explore the ins and outs of this career, the responsibilities businesses have towards customers, and hiring the right employees. Gain an understanding of human resources (HR) to ensure job satisfaction and take action to ensure that all rules and laws are being followed. Learn how to become an effective manager in any field.

Marketing 2a: Global Business and Trade (0.5 Credit)

Can you think of a brand that first launched in the U.S. and then became popular in other countries? Facebook™ did this very thing! Without a solid understanding of business and international marketing strategy, it becomes nearly impossible to be successful and stand out from the crowd. Discover how business and marketing works around the world. You'll learn about topics such as regulations, market research, marketing plans, global trends, buying and selling internationally, and more.

Marketing 2b: Developing a Sales Team (0.5 Credit)

How does a business make money? If you said sales, then you're right! This course explores the secrets to sales. You'll learn expectations, best practices, sales planning, building a clientele that becomes long-term buyers, and how to stay motivated to sell, sell, sell! If sales management is your goal, you'll learn about management styles, how to find, hire, train, motivate, and compensate your team.

Office Administration 1a: Introduction (0.5 Credit)

Businesses worldwide and across every industry are always on the lookout for highly skilled administrative professionals to help their business be successful and thrive. Explore what it means to have effective verbal and written communication, speaking, and listening skills to work with diverse people and teams. Then dive into learning how to leverage various technology and software businesses use to stay connected and productive.

Office Administration 1b: Running the Office (0.5 Credit)

You have learned some of the skills that an administrative professional must possess, but now it's time to take those skills to the next level! You will explore the responsibilities of an administrative professional to understand what a typical workday looks like and even what goes into searching for an administrative professional role: searching, applying, and (the most exciting part!) securing. Do you love the idea of being the glue in a successful business, helping everything run smoothly and properly? Then let's continue your journey into the career of an administrative professional!

CAREER PLANNING & EXPLORATION

Career Planning and Skill Development (0.5 Credit)

As a high school student, it may seem like an eternity before you'll be working for a living. However, you will be entering the working world sooner than you think—so it's important that you're prepared. Career Planning and Skill Development will learn about qualities that will make you a successful employee and additional career-related skills, such as problem-solving and communication.

Computing for College and Careers 1A: Introduction (0.5 Credit)

Technology has made an impact on nearly all facets of our lives, and it will continue to make an impact on yours as you make your way into college and career! In this course, you are going to pull back the veil on what goes into some of the technology we use every day. You will investigate computer hardware and software and learn what goes into building a computer while exploring programs and applications, you'll study the history of the internet and how to use its capabilities even more effectively, and you'll also dive deep into email and some of today's most powerful processing tools. Get ready to really know the technology you have at your fingertips so you can continue to make it work for you!

Computing for College and Careers 1B: Refining Your Interests (0.5 Credit)

You have looked at the building blocks of some technologies you use on a daily basis, and now it's time to dig even deeper to see how it can help determine your future! In this course, you'll analyze modern websites, learn design elements and principles, and even create your own website. You'll learn to write algorithms, use common web languages, and explore some of the basics of AI while becoming a good digital citizen. Lastly, you'll explore various careers in computing, learn about industry certifications, and see how a resume and portfolio can help you. Let's look at the future!

Life Skills: Navigating Adulthood (0.5 Credit)

What do you want out of life? How do you achieve your dreams for the future? These can be difficult questions to answer, but they don't have to be with the right tools. Learn more about yourself and prepare for the future through goal setting, decision making, surviving college and career, and how to become a valuable contributing member of society. It's your life; make it count!

Workplace & Internship Readiness: Preparing for Work & Life (0.5 Credit)

Starting your first “real” job can be intimidating. But when you know what to expect and learn how to be successful, you’ll feel confident about the hiring process and prepared to put yourself out there! Discover how to build a well-rounded set of employability and personal leadership skills that allow you to guide your own career. Learn how to communicate with others, take initiative, set goals, problem-solve, research different career options, and envision your own personal career path. Get ready to create a powerful launching pad that will help you blast off into a great first job experience!

TECHNOLOGY AND ENGINEERING

High School Computer Science A (0.5 Credit)

Have you ever wondered how computers work? Have you wanted to know how programs are developed or even to create one yourself? In this course, you will begin by looking at the primary responsibilities of hardware and software and how they interact. You will also learn the basics of operating systems and how to implement optimization, abstraction, and algorithms in programming. Using the programming language Python, you will learn how to create a program using primitives, objects, control structures, and data structures. You will learn and apply troubleshooting, debugging, and using appropriate documentation. You will also use data collection and visualization tools to help interpret and understand the underlying data. This course will prepare you for further study in Computer Science.

High School Computer Science B (0.5 Credit)

Have you ever wondered if computers can exchange information with other computers? Have you wanted to know how cybersecurity works? In this course, you will begin by looking at how computer networks function and what basic topologies are. In this course, you will also learn the basics of cybersecurity, including common threats, risks, solutions, and protection schemes. You will look at the impacts computing innovations have had on multiple aspects of society. You will learn about and apply common collaboration and communication tools to plan and complete projects. And, you will look at the current state and future of computer innovations, including its intersection with the law, artificial intelligence (AI), machine learning, and other future careers. This course will prepare you for further study in Computer Science.

Advanced Networking 1a: Introduction (0.5 Credit)

The world has never been more connected than it is today and through advancing network technologies, tomorrow will be even more tightly united. In this course, you will learn about a variety of different networks, their layers, and the different needs they address. You’ll uncover best practices for setting up secure remote access connections, techniques to troubleshoot and think strategically, and correct documentation. Lastly, you’ll learn tips to successfully communicate in the workplace. Get ready to support tomorrow’s connectedness today!

Advanced Networking 1b: Protecting Your Network (0.5 Credit)

You’ve learned the basics of networks, and now it’s time to dig deeper into the intricacies and inner workings of these channels. In this course, you’ll learn the methods used to manage traffic, transmissions, and users based on organizational needs and the important decisions

that go into building an optimal network. You'll explore types of malicious attacks and the role that risk management plays in the strategic planning to prepare for, monitor, and efficiently remediate damage. Lastly, you'll investigate processes that can be used to prevent, monitor, and notify of these events to employ action plans quickly. Get ready to advance your networking prowess! Let's get started!

Computer Maintenance 1a: Introduction (0.5 Credit) (0

Computers are soldered into all aspects of our daily life, and when they stop working, it can seem like our network has collapsed. If you are fascinated by the inner workings of computers and how to keep them running, then a career in computer maintenance may be for you! In this course, you'll learn how computers are set up starting with the software and operating systems and what to do when hardware and software issues are encountered. You'll learn different types of data communication, various power supply units, essential components like motherboards and memory and much more! Grab your personal expansion card, and let's hardwire some new knowledge about computer maintenance.

Computer Maintenance 1b: Network Needs.5 Credit)

Almost anywhere we go today, from malls to coffee shops, and even our homes is an intertwined web of wired, wireless, and cloud-based networks that access our personal data. In this course, you'll dig into computer networks and their extensive capabilities. You'll explore data exposure and how to mitigate threats, discuss the fundamentals of network design and layout, learn how cloud-based services store data, discover the differences between wired and wireless networks, and dream of possibilities as you explore fun network options like smart home systems. Let's continue navigating the complex world of computer maintenance.

Cybersecurity 1a: Foundations (0.5 Credit)

We depend more on the technologies we interact with every day; and we put more and more of our personal data out there online. Can all of that data really be kept "secret"? Learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. Dive into the tools, technologies, and methods that will help protect you from an attack and discover the many opportunities in the rapidly growing field of cybersecurity.

Cybersecurity 1b: Defense Against Threats (0.5 Credit)

Unmask the cybersecurity threats around you by understanding hackers and identifying weaknesses in your online behavior. Learn to avoid the various types of cyberattacks, including those to your social media accounts, and to predict the potential legal consequences of sharing or accessing information that you do not have rights to. Dig into these crimes in depth by taking a look at cyber forensics and other cybersecurity careers. Cybersecurity will play an increasingly larger role in our personal and professional lives in the years to come.

Concepts of Engineering and Technology (0.5 Credit)

Learn how the momentum of science is continually propelling engineers in new directions towards a future full of insight and opportunity. Explore the different branches of engineering and how problem-solving, sketching, collaboration, and experimentation can change the very

fiber of our human lives. By examining astounding engineering feats and complex ongoing issues, you'll begin to question whether the word impossible really exists.

AI in Action 1a: Introduction (0.5 Credit)

Artificial intelligence is not just the future – it is happening right now, all around us! Imagine having the power to unlock answers to questions instantly, or to create your own tools that make life easier. AI makes accessing information and interacting with modern technology easy and fast. But what exactly is AI? And how can you get the most out of it? In this course, you'll see how AI works and how it can work for you. You will learn the secrets behind AI technologies, push its boundaries, and learn skills that can help you develop your own tool someday. AI is a big wave and it's coming fast. Let's learn how to surf!

AI in Action 1b: Exploring Tools & Tech (0.5 Credit)

Unlock the power of artificial intelligence by learning to build, train, and deploy your own machine learning models. This course takes you from AI fundamentals to real-world applications. You'll learn to identify bias in datasets, assess model fairness and accuracy, and make ethical decisions throughout the development process. Explore how industries across agriculture, healthcare, business, and transportation are transforming operations through AI—while thinking critically about how thoughtful AI design can balance innovation with responsibility. Whether you aspire to become an AI developer or an AI-enabled professional in another field, this course provides the technical foundation, problem-solving mindset, and ethical framework needed to thrive in the rapidly evolving world of artificial intelligence.

Foundations of Game Design 1A: Introduction (0.5 Credit)

Get your game on in this introductory game design course! You'll kick things off by exploring what makes a game a game, taking a look at the history of gaming, and discovering the future of gaming technologies. You'll dive into the different elements that go into designing a game — learning about the typical roles on a game design team. Then it's your turn to design! You'll experiment with storytelling, character and model design, artistic elements, color theory, and typography, getting hands-on experience with the kinds of choices real game designers make. You'll also be introduced to programming concepts to round out your skillset. Finally, you'll build your own online portfolio to showcase the projects you complete throughout the course.

Foundations of Game Design 1B: Storytelling, Mechanics, & Production (0.5 Credit)

Do you game? What makes the games you play great? This course is your chance to turn your video game ideas and dreams into reality. Jump into the world of game design where you will learn how to craft everything from legendary stories to insane gameplay mechanics using the Unity engine. Get your “hands dirty” debugging, fine tuning, and prepping your game for launch across multiple platforms. By the end, you will have your own game ready to drop – packed with all the features that make a game unforgettable. Get ready to power up your creativity and to level up your game design skills!

Game Design for Chromebooks 1A: Introduction (0.5 Credit)

Are you ready to enter this multi-billion-dollar industry and start applying your technical skills into a compelling package that will catch the eye of an employer? Beginning with conceptualization and the design process, you'll develop your game's story elements, narrative, plot, characters, and assets. Using game design software, you'll bring your game to life by applying lighting, audio, visual effects, player choice options, AI, and consider the type of controls to use for your game. Build a world player can get immersed in.

Game Design for Chromebooks 1B: From Prototype to Product (0.5 Credit)

You've already done the groundwork, and now it's time to level up and launch! In Game Design 2b, you'll take your runner game to new heights and enter the land of fire and ice using the cool tools that Unity has to offer! Get ready to build atmospheric landscapes, mountain runs, stair builds, and implement obstacles to keep your relic safe! Then, *your* real-world game begins test and evaluate your game and prepare for a market launch! All of the moving parts of the game development process come together in this course, so you can unleash your game into the world!

Digital Design 1A: Introduction (0.5 Credit)

Are you an artistic person drawn to the idea of creating graphic elements? Then a career in digital design may be for you! In this course, you will learn the basic principles of design, the tools needed to succeed in the industry, and how to design objects for specific purposes and audiences. You'll also learn how to market yourself and open your own design business while building a portfolio. Let's align your skills and dreams today for a career in digital design!

Digital Design 1B: Express Your Ideas Visually (0.5 Credit)

Are you ready to dig deeper and discover more about the world of digital design? In this course, you will continue building the foundational skills necessary to become a successful graphic designer. You will learn and apply effective communication and people skills, explore and implement the design process, create images, properly use equipment, and evaluate and market your own designs. By the end of the course, you'll better be able to decide if a career in digital design is for you... and if the answer is yes, you'll be well on your way to designing a bright future!

Coding 1A: Introduction (0.5 Credit)

Learning to code is like learning a clandestine language, and now is your chance to get in on the secret! In this course, you will learn about the building blocks of coding. You'll explore how real-world problems can be broken into algorithms described through coding and then use the approachable and versatile coding language of Python to generate the output you're looking for. You'll cover both procedural and object-oriented programming and even create two text-based adventure games along the way. Are you ready to get in on the secret?

Coding 1B: Plan, Design, Develop (0.5 Credit)

You have already learned a lot about the language of coding, and now, it's time to become even more fluent and multilingual! In this course, you'll continue working with Python, but you'll also add other languages like HTML, CSS, and JavaScript to your coding toolkit as you build and style a web app! You'll explore data structures to process information, how to stay on schedule and prepare for app updates, and how to improve the functionality, look, and safety

of your app. Each new coding challenge we meet invites us to expand our skills, and there's always room for creativity when you're working with code. Let's get to it!

Digital Media Fundamentals A (0.5 Credit)

Discover your talent for building digital media applications using text, graphics, animations, sounds, videos, and more! Learn about the elements that make impressive media, such as typography, color theory, design, and manipulation. Explore careers to apply your digital media skills and find your place in this fast-paced and exciting field!

Digital Media Fundamentals B (0.5 Credit)

Let's polish your digital media skills and help you learn all about web design. Incorporate your creative ideas into websites and discover the basics of marketing to understand how your work can be used effectively. You'll also explore the world of podcasts and audio editing to construct a solid foundation from which you can pursue a career in this exciting field.

Social Media: Our Connected World

Do you have any social media accounts? Learn the ins and outs of such social media platforms as Facebook, Twitter, Pinterest, Google+, and more and how to use them for your benefit personally, academically, and, eventually, professionally. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways.

Digital Media Web Design 2A: Build a Portfolio Website

Did you know that you are consuming digital media every time you open an app or use your computer or tablet? Digital media may be a webpage, video, image, podcast, form, or more. Explore how you can develop webpages that embed different media and interactivity for excellent user experience through programming languages such as HTML and CSS. Examine trends and opportunities, education requirements, student organizations, and industry certification options. It's your turn to start designing websites and experiences for digital media consumers.

Digital Media Web Design 2B: Build an eCommerce Website

Think of the best online stores you've visited. What do you think makes them unique? How do they keep buyers engaged and purchasing? Before you can design a great eCommerce store, it's essential to understand how one works. Learn the trends, design principles, and security strategies. Explore what it means to adhere to ethical and legal requirements and complying with industry standards and accessibility. It's time to start designing the next best eCommerce site!

Introduction to Networking 1a: Introduction (0.5 Credit)

What would happen if we didn't have the internet? The internet is one example of a network, so you can only imagine why networking careers are essential. Start exploring the fundamentals of networking, learning about the different parts of a computer and hardware, network operating systems, and understanding how common network devices can be connected. You'll get hands-on to explore different types of cables used to create networks – and even make cables in Wired Networking activities. Get started with your introduction to networking!

Introduction to Networking 1b: Network Oversight (0.5 Credit)

Network administrators are responsible for the oversight of an organization's computer network. This includes installing hardware and software but also relies on considerable technical skills to resolve network issues. Discover how to set up a network, troubleshoot problems, monitor network security, infrastructure, performance, and contribute to creating policies and procedures. As a network admin, you'll help keep businesses safe and running correctly.

Introduction to Programming 1a: Introduction (0.5 Credit)

Have you ever wondered how your favorite software is created? Explore the software development life cycle from start to finish while developing your own programming skills with Python. Explore the power of data and algorithms along with their influence on the world. Launch yourself into the endless possibilities a career as a programmer can bring you!

Introduction to Programming 1b: Problem Solving Through Programming (0.5 Credit)

Dig deeper and expand your knowledge as you discover how programming can solve a vast array of problems. Plan and develop a problem-solving program while performing testing, debugging, and quality assurance procedures. Design and plan your own app as part of your capstone project to give you a thorough introduction to the world of programming.

Network Security Fundamentals 1a: Introduction (0.5 Credit)

Have you seen news headlines about cyber data breaches or hacks? With so many businesses working hard to ensure that their data and their customers' information stay safe and secure, it's no wonder that careers in cybersecurity are in high demand. Learn what information security is, hackers, viruses, spyware, network systems, identifying potential vulnerabilities, protecting against attacks, and creating a disaster and response plan if breaches do occur. Could you be the security specialist that stops the next cyberattack?

Network Security Fundamentals 1b: Forensics and Permissions (0.5 Credit)

As the world becomes increasingly more interconnected by technology, computer and mobile-based crimes are becoming more prevalent. Explore cyber forensics, encryption, cryptography and cryptology, user and password management to mitigate large data breaches, and other threats, vulnerabilities, and security issues. Discover what it takes to enter this high-demand career field. As a cybersecurity specialist, you'll never get bored with trying to keep individuals and organizations safe!

Operational Cybersecurity 1a: Introduction (0.5 Credit)

Even when we use the strongest bricks, Firewalls can be breached and other security measures can be exploited by malicious cyberattackers. In this course, you will assume your role as Chief Information Security Officer (CICO) responsible for a data network's design, maintenance, and end-user training. You will explore essentials of keeping networks safe and secure through the use of cryptology, keys, and certificates before moving into the important practice of risk assessment. In the end, your attention will shift to mitigating and managing identified risks and working with key stakeholders to improve the organization's security posture and disaster response. Are you ready to help businesses protect personal information and outsmart cyber attackers? Grab your white hat, BYOD, and let's get started!

Operational Cybersecurity 1b: Security and Planning in the Workplace (0.5 Credit)

More and more, companies are under attack by malicious cyber attackers compromising the security of sensitive employee, customer, and societal data. In this course, you will dive into data security in the workplace and will learn ways to mitigate cyber threats that lurk in dark corners. You will step into the familiar shoes of CISO, this time at a startup company, making decisions about access and authentication protocols, security planning, and expanding the business in a safe way. Lastly, you will explore real-world security breaches, how they were solved, and step-by-step instructions to setup robust security policies. Let's continue forging your cybersecurity stronghold against cyber attackers and keep sensitive data secure.

Principles of Information Technology 1a: Introduction (0.5 Credit)

Principles of IT helps you understand computing and information technology concepts from the inside out. You will start off looking at the hardware and software options for a computer, including common troubleshooting methodologies. Then you move into networks, and how computers work together, including how the internet works.

From there, you get an introduction to the major types of software categories you will need to know in most professional spaces: word processing and spreadsheets, with a little database information thrown in. Lastly, you move into the world of mobile apps, and you get to create a bird flinging game to practice your programming and app-building skills.

A major project in this course is a cumulative project where you design an eBook where you can teach other newcomers to a job what you are learning. You will design this book in Canva using a variety of their templates, but the content will be entirely your own!

Other topics in this course include:

- Components of a computer
- Computer peripherals
- Data mining
- Binary and Hexadecimal conversion
- Types of storage
- File management
- Configuring your Chrome browser
- Software licensing
- Network topologies
- Network hardware
- Evaluating content for reliability
- Programming fundamentals: sequence, selection, iteration

Principles of Information Technology 1b: Working with Computers (0.5 Credit)

Now that you know the basic workings of a computer, it's time to put the computer to work! In this course, you will explore some of the basics of graphic design, web development languages, and coding. You will also learn about team building, communication and presentation software, and becoming a digital citizen, giving perspective on how to collaborate with others as you transition from school to the workplace. Lastly, you will uncover potential

cyber threats and how to protect your own devices through features and behavior change before putting everything together in a culminating project: designing a website in Weebly. Let's get to work!

Programming 2a: Procedural Programming (0.5 Credit)

Congratulations; you're speaking a different language! A programming language that is. But do you want to learn more? Discover the most popular programming languages and what they have to offer the software world. Explore data, algorithms, and objectives and how they are essential to language 'speak'. Learn the software development life cycle and how it can be implemented so you can create projects, such as a prototype for an app you'll code and a working to-do list website.

Programming 2b: Creative Programming (0.5 Credit)

Get ready to take your programming abilities to the next level in Programming 2b! You'll start by developing a simple web page using HTML, CSS, and JavaScript and then you'll practice your Python skills, making your own photo editor and sound player! Using API, you'll practice adding a weather widget to a website and you'll ensure page safety using encryption techniques through Python. You'll test, you'll inspect, you'll collaborate, and for your finale, you'll craft a graphical user interface for an app using Python's Tkinter! Let's get ready to program!

Web Development 1a: Introduction (0.5 Credit)

How many times per day do you access the internet, including social media? The web is an important part of our daily lives, so it's no surprise that web development is one of the hottest career fields. Start to explore professional web development, including how to create content for the web. You'll learn about topics such as servers, file organization, HTML, CSS, Javascript, and the development stack that will let you build any website you can dream up.

Web Development 1b: Planning and Designing (0.5 Credit)

Websites need to be functional, but they need to look great while doing the job! Now that you've learned how to create web content, you'll learn how to apply design principles, like color combinations and font choices, to achieve the greatest impact. You'll also learn the behind-the-scenes tasks of organizing your files, ensuring website accessibility, following intellectual property regulations, and performing site backup and maintenance. Let's unravel the web development process!

Web Development 2a: Sketching and Scripting (0.5 Credit)

You've already experienced web development on a smaller scale, but now, it's time to kick it up a notch! You'll hit the ground running with the Agile methodology of software development and how it plays into leadership and teamwork amongst developers. You'll also approach web development from a different perspective- your users!- and you'll learn to speak the language of JavaScript to enhance your web development efforts. Your efforts will commence in a professional portfolio that will allow you to experience GitHub to display your work. Let's get that framework going!

Web Development 2b: Website Goes Live (0.5 Credit)

You've done a ton of work on your website already, and now, it's time to put the finishing touches on it and make it work for you! In this course, you'll explore topics and hone skills to help you perfect your portfolio so it's ready to share with future employers. You'll discover common coding errors and security threats, website accessibility and reliability, and become more fluent and efficient in JavaScript. You'll also learn how to make on-the-job choices and adjustments and refine communication with your clients. In the end, you'll turn your website into a presentation to share with friends and family so you can showcase your achievements.

EDUCATION, HEALTHCARE AND HUMAN SERVICES

Sports Medicine 2a: Working with Clients (0.5 Credit)

You've learned the basics about how the body works and how to attend to athletes' injuries, but now, it's time to get personal! Time to personalize and plan for clients, that is! In this course, you will learn to develop dietary and exercise regimes for clients based on their needs and goals. You'll even have an opportunity to turn plans into action by designing workouts for your own example gym. Let's hit the ground running and continue building towards a career as a trainer!

Sports Medicine 2b: Personalizing Your Practice (0.5 Credit)

"Five, four, three, two, one—rest." You've learned what it looks like to work one-on-one with clients as a sports medicine professional, and now it's time to focus on the group. In this course, you will be introduced to teaching group exercise classes and providing rehabilitation services to clients facing injury and disease. You will also learn about laws that govern the work of sports medicine professionals, business concerns like insurance and staffing, and what you need to consider if you start your own fitness facility. It looks like it's time for the next set! Let's get started!

Dental Assistant 1A: Introduction (0.5 Credit)

Are you a compassionate person who genuinely cares about helping others be healthy? Learn how becoming a Dental Assistant can offer you a rewarding career as well as job security. Start with learning the different roles within a dentist's office, organizations to get involved with, and basic head, neck, and dental anatomy. Learn what it takes to embark on a career sure to provide personal and professional fulfillment.

Dental Assistant 1B: Principles of Clinical Dentistry (0.5 Credit)

You have scraped the surface of how rewarding assistant dentistry can be, and now it's time to drill deeper into the inner-workings of the role. In Dental Assistant 1b: Principles of Clinical Dentistry, you'll learn about the daily duties of a dental assistant including the structure of an office visit, managing patient records, and administrative aspects of the role. You'll also explore how patient health can impact oral health, how to prepare for and perform a patient visit, and how to succeed in a team environment. Let's continue polishing those skills to become a dental assistant today!

Dental Assistant 2A: Infection Prevention and Pharmacology (0.5 Credit)

Your passion for dentistry has strong roots, and now it's time to drill even deeper into the pulp of the science. In this course, you will continue to explore the field of dentistry through a work-

based learning experience while studying how to maintain a safe environment for patients. You'll cover prevention, recognition, and management of common dental office emergencies and how to manage patient pain and medications. You'll learn about microbiology and the modes of disease related to oral care as well as explore specialties in the dental field important responsibilities and guidelines for providers. Let's continue sharpening your cusp of knowledge as a dental assistant!

Dental Assistant 2b: Exploring Specialized Areas of Dentistry (0.5 Credit)

You've learned dental anatomy, the structure of a dental practice, and basic dental treatments; now, it's time to drill down even deeper into the world of a dental assistant. In this course, you'll explore clinical subjects: maintaining safe environments for patients, managing pain and medications, using and handling common materials in a dental setting, the basics of radiology, dental specialties and more! You'll also encounter activities designed to get you out of the classroom and into the dental world investigating and volunteering in professional settings. Lastly, you'll learn about professional organizations, gaining employment, and the certification process. Let's keep heading towards the apex of your future career!

Cosmetology 1: Cutting Edge Styles (0.5 Credit)

We all want to look our best, but did you know there is actually a science behind cutting your hair and painting your nails? Just like all careers, cosmetology requires certain skills and characteristics. You will learn about various beauty regimes related to hair, nails, skin, and spa treatments, and discover how to create your own business model quickly and efficiently while still looking fabulous, of course!

Emergency Medical Responder 1a: Introduction (0.5 Credit)

Have you ever wondered what happens after making a 911 call? Get a realistic look into the day-to-day, fast-paced life of an EMR and how their roles and responsibilities fit into the larger picture with Emergency Medical Services. Discover how to conduct a patient assessment when you arrive on a scene and assess and treat various medical emergencies. If you've ever dreamt of being on the front lines, providing quality care to save someone's life, then explore the exciting career as an Emergency Medical Responder.

Emergency Medical Responder 1b: Prepared for Action (0.5 Credit)

Being an emergency medical responder is dynamic and challenging. EMRs are first responders who are prepared for action! Explore how to care for diverse patients and in unique and even difficult situations. From advanced trauma to childbirth, from mass casualties to special conditions. EMRs are trained to care for, treat, move, and transport patients in various situations and play a vital role as part of an EMS response team.

Health Science Foundations 1a: Introduction (0.5 Credit)

Do you dream of a fulfilling career that allows you to help others and continually grow? Consider the on-demand field of healthcare! In this course, you'll explore the concepts of health, wellness, and preventative care across the lifespan while also learning how the human body works. From cutting-edge technology to first-line patient care, get ready to dip your toes into the range of careers available in therapeutic services, diagnostic services, biotechnology, support services, and informatics. While learning how to apply critical skills needed by today's

healthcare provider, you'll gain an understanding of the education and training necessary to launch your dream career!

Health Science Foundations 1b: Professional Responsibilities (0.5 Credit)

Are you ready to step up and become a healthcare hero? In this course, you will learn the skills that could save lives, from mastering CPR and AED to taking vital signs with confidence. Discover how to stay cool in high-pressure situations, prevent injuries, and eliminate medical errors, while gaining a solid foundation in safety and emergency skills. Along the way you will build leadership and teamwork skills that will set you apart in any healthcare role, whether you're dreaming of clinical work or a role in healthcare administration. Step into the exciting, fast-paced world of healthcare – your journey starts here.

Health Science Theory 1a: Introduction (0.5 Credit)

From doctors and nurses to x-ray technicians and medical aides, the field of healthcare offers numerous roles that will allow you to make a difference in the lives of patients. In this course, you'll learn all about the foundations of healthcare from how the industry works around the world, to the different professions that fall within the field. You'll also learn medical terminology and calculations, the difference between diagnostic and therapeutic careers, and the legal and ethical considerations. Let's start building the foundation of a career in healthcare today!

Health Science Theory 1b: Health Science Skills (0.5 Credit)

You've built a solid foundation of knowledge of the healthcare field, and now it's time to probe deeper into the healthcare profession. In this course, you'll review key aspects of the broad category of safety as well as learn how to assess and treat patients for an array of injuries. You'll learn how to identify emergencies, trauma and complex care, and the basics of CPR and life support. Lastly, you'll explore the importance of collaborating with other team members to manage and resolve conflicts. Let's suit up to learn how you can positively impact patients in the field of healthcare.

Human Growth Development 1A: Introduction (0.5 Credit)

From babies in the womb to toddlers to adolescents, human growth and development is fascinating. In this course, you'll take a deep dive into the physical, cognitive, social, and emotional growth across a child's lifespan. You'll learn about key milestones, apply theoretical frameworks that give insight into us, health and safety for ages and stages, strategies to optimize growth and development, and more! If you're considering a career in education, social sciences, or medicine, this class will set you up for success. Let's grow your understanding of human development today by shining a light on why we do what we do!

Human Growth Development 1B: Journey into Adulthood (0.5 Credit)

You have a solid foundation of childhood growth and development behind you, and now it time to explore the developmental changes of adulthood- relationships, career, and family- and expand your understanding of the changes that occur throughout one's lifespan. In this course, you will hone your communication and problem-solving skills, learn about your personal values, understand family influence, apply development theories to adulthood, and more! You will also explore career options, demonstrate professionalism and leadership, and create a custom portfolio for future use. Let's continue learning about ourselves and those around us.

Early Childhood Education 1A: Introduction (0.5 Credit)

Are you curious to see what it takes to educate and nurture early learners? Use your curiosity to explore the fundamentals of childcare, like nutrition and safety, but also the complex relationships caregivers have with parents and their children. Examine the various life stages of child development and the best educational practices to enrich their minds while thinking about a possible future as a childcare provider!

Early Childhood Education 1B: Developing Early Learners (0.5 Credit)

Discover the joys of providing exceptional childcare and helping to develop future generations. Learn the importance of play and use it to build engaging educational activities that build literacy and math skills through each stage of childhood and special need. Use this knowledge to develop your professional skills well suited to a career in childcare.

Child Development 1a: Journey through Childhood (0.5 Credit)

If you're considering a career in education, medicine, psychology, or areas that involve toddlers to teens, you'll need to know how they grow and develop. In this course, you will learn about the ages from womb through adolescence and the teen years. You'll explore essential topics like nature vs. nurture, developmental theories and stages, nutrition, safety precautions, family planning, and more! Let's get started learning!

Child Development 1b: Working with Children (0.5 Credit)

You have learned the basics of child development, and now it's time to dig deeper into the psyche and behaviors of children. In this course, you will learn about setting boundaries, creating rules, and enforcing consequences when working with children. You will explore helping kids and teens manage stress, provide support for children with disabilities and enrichment for gifted children, how to perform first aid, and more. You will also set goals for your future career working with children and adolescents. Let's continue beyond the basics and expand into the world of child development.

Allied Health Assistant 1a: Introduction (0.5 Credit)

Are you passionate about helping people and making a difference in their lives? If you're planning on going into the healthcare field, then this course is for you! Explore your options by learning how to properly care for your patients and provide for the administrative needs of healthcare. Learn to prepare exam rooms, schedule, bill, and document all while solidifying your professional skills in communication, privacy, safety, and ethics.

Allied Health Assistant 1b: Skills and Specialties (0.5 Credit)

Allied health encompasses a broad range of different health care professionals who provide a range of skills in the fields of dentistry, pharmaceutical, medicine, nursing, nutrition, rehabilitation, and more. This course is the second course of the Allied Health concentrator sequence and gives you the needed skills to pursue any of these careers in allied health.

Medical Assistant 1A: Introduction (0.5 Credit)

It takes a strong team to offer top-notch patient care, and each team member plays an integral role. Are you a team player interested in coordinating patient care? Then a career as a medical assistant may be right for you! In this course, you will acquire medical terminology, investigate anatomy and physiology, learn keys to professionalism in an office setting, and

explore office roles while building a professional portfolio. Let's learn what it takes to fill out the important shoes of a medical assistant today!

Medical Assistant 1B: Medical Assisting in Action (0.5 Credit)

It's time to grab your latex gloves and snap them back into place so you can get a deeper look into the world of medical assistance! In this course, you'll explore patient care and procedures, testing and care coordination, pharmacology and safety, and reimbursement and the law. You'll also narrow down your areas of interest, so you can better determine what type of medical assistance may be best for you. Are you ready to continue the road to medical assistance? Grab your lab coat and let's get going!

Medical Office Administration 1A: Introduction (05 Credit)

Caring for a patient takes more than a medical degree: it takes a team! In this course, you will build your knowledge of medical terminology, medical office processes, the technology that keeps an office humming, and the laws that keep it operating ethically. You'll also explore different office roles all while building the beginnings of a portfolio. Let's march through the waiting room and throw open the doors to a career as a Medical Office Admin today!

Medical Office Administration 1B: Vital to the Front Office (05 Credit)

You have learned some of the basics of what it takes to become a successful medical office administrator, and now, it's time to grow your understanding even further! In this course, you will complete a deeper dive about the variety of roles available in the medical office along with the skills needed to not only run the front of the office but to excel in the position as well. Finally, you'll focus on *you* and how to apply all that you've learned to get your foot in the door to begin a career in medical office administration. Let's get started!

Medical Terminology 1A: Introduction (0.5 Credit)

Learning the language is essential for careers in health science. Join word parts to form medical terms, associations within body systems, and better communicate with colleagues and patients. Build your proficiency and confidence with this course and prepare yourself for a career in health sciences.

Medical Terminology 1B: Discovering Word Foundations (0.5 Credit)

Discover the medical terminology associated with even more body systems to increase your ability to master prefixes, suffixes, and roots. Connect this language to real-world patients and clinical settings through practical applications and specific scenarios. Launch your health knowledge with detailed medical terms.

Nursing Assistant 1a: Introduction (0.5 Credit)

If you ever wanted a career that is centered around the care of others and that directly impacts the most vulnerable populations, then it's time to explore what it means to be a Nursing Assistant. This role can be the first step on your nursing career ladder or into other healthcare positions. Learn career options, ethical and legal responsibilities, anatomy and physiology, patient care, and safety. Discover what it takes to start your journey into this highly needed field.

Nursing Assistant 1b: Patient Care (0.5 Credit)

As a Nursing Assistant, you are heavily involved in the care of your patients. But what does a typical day look like? How do you care for your patients during your shift? From hospital settings to home health care, from pre- and postoperative to rehabilitation. Discover how best to communicate and work with your team to ensure a safe environment, prevent and control infectious diseases, advocate for your patient's rights, and provide appropriate care – even for the most complex patient needs.

Pathophysiology 1A: Introduction (0.5 Credit)

It takes the mind of a detective to uncover the cause of disease, and this is where your investigative brain and desire to heal people comes in! In this course, you'll build foundational knowledge needed to understand disease in all forms along with signs, symptoms, and prevention. You'll learn how medical professionals arrive at the right diagnosis that leads to proper treatment and a successful outcome. You'll also sharpen your sleuthing skills learning how to collect and work with data, develop and test hypotheses, and design a study, and you'll even research potential STEM careers! Grab your detective hat and get ready to explore the tiny world of pathogens.

Pathophysiology 1B: Beyond the Pathogen (0.5 Credit)

Now that you have a basic understanding of pathophysiology, it's time to turn up the magnification on your microscope and get a good look at the most common body system disorders and diseases. In this course, you will examine the pathologies of common causes of mortality as well as other pervasive concerns tackling diagnosis, treatment, and prevention. You will investigate factors that contribute to disease like age, gender, heredity, and lifestyle, and then you'll go global, looking at worldwide environmental concerns and world health challenges. Crank that magnification and let's continue your exploration of this exciting science.

Pharmacology 1a: Introduction (0.5 Credit)

If you ever thought about pursuing a gratifying career in biomedical sciences, pharmacology is a must. Pharmacology is the fascinating study of the chemistry, origins, and types of medications. Whether you plan on going into medicine, nursing, dentistry, veterinary medicine, or pharmacy, you'll need to learn the effects of medicines on different biological systems, appropriate dosages, and how the body responds to different medications.

Pharmacology 1b: Analysis and Effects (0.5 Credit)

When implemented with care, medicine can cure illnesses and even save lives, but when distributed incorrectly, therapeutics can cause great harm. In this course, you will delve deeper into the study of medicine and treatments available to patients. You will learn about available medications for specific diseases, the way therapeutics work in the body, different drug classifications, the law behind administering drugs, and what a Pharmacy career can look like. Are you ready to continue injecting your brain with essential knowledge for a career in the medical field? Let's continue your journey of care.

Teaching and Education 1a: Introduction (0.5 Credit)

Do you love to learn? Do you enjoy sharing what you know with others? Teaching might be the perfect career for you! Teaching is so much more than a job. This is an amazing profession where every day is an opportunity to ignite curiosity in young minds. Explore what it takes and the skills needed to be a dynamic and effective classroom teacher. From school climate to educational policies, get ready to discover the various components that impact a student's success. Plus, unlock tips and tricks that bring the classroom to life for today's diverse and tech-savvy students!

Teaching and Education 1b: In the Classroom (0.5 Credit)

Now that you know what it takes to be a great teacher, are you ready to put it all into practice? Today's students are diverse, technologically savvy, and face distinct life stressors. How will you meet the needs of all learners, while simultaneously addressing the challenges of the modern classroom? From tried and true methods of lesson planning to project-based learning, discover the tricks and tips that allow teachers to create a stimulating classroom for a wide range of students. Explore behavior management, how to plan meaningful curriculum, and ways to maintain your health and work-life balance in this field, all while keeping an eye on your future!

ART

Digital Photography 1A: Introduction (0.5 Credit)

Have you wondered how professional photographers manage to capture that perfect image? Gain a better understanding of photography by exploring camera functions and the elements of composition while putting theory into practice by taking your own spectacular shots! Learn how to display your work for exhibitions and develop skills important for a career as a photographer.

Digital Photography 1B: Creating Images with Impact (0.5 Credit)

Let's further develop your photography skills by learning more professional tips, tricks, and techniques to elevate your images. Explore various photographic styles, themes, genres, and artistic approaches. Learn more about photojournalism and how to bring your photos to life, and using this knowledge, build a portfolio of your work to pursue a career in this field!

Digital Photography 2: Discovering Your Creative Potential (0.5 Credit)

We are surrounded by images; in advertisements, on websites, in magazines, and on billboards. Learn how to effectively critique photographs so you can better understand composition and go on to create more eye-catching photographs on your own. Examine various aspects of the photography field including specialty areas, ethics, and famous photographers throughout history.

Introduction to Drawing (0.5 Credit)

Learning to draw is like learning any new skill: it takes practice, practice, and practice. Introduction to Drawing is a one-semester course for beginning and intermediate artists that provides training in the application of artistic processes and skills. In this course, you will learn the basics of line, contour, shading, texture, perspective, composition, and action drawing. You

will examine artwork and demonstrate your newly learned skills by creating several original works of art and compiling a portfolio of your artwork.

Art in World Cultures (0.5 Credit)

Art tells a story. Go on a journey of when humans began creating art in prehistoric times to ancient Roman, early Christian, and Medieval periods. Explore the artistic characteristics of the Renaissance, Americas, Baroque, Romantic, and more. Learn the elements and design principles of art, and about some of the greatest artists in the world, while creating your own art, both on paper and digitally. It's time to tell your story through art.

Art History A (0.5 Credit)

Welcome to the first semester of Art History! In this course, the student will take up the question "What is art?" as he explores the artistic endeavors of early civilizations. Early in the course, the student will explore some of the basic elements and principles of art and its role in human history, and the development of culture. He will also think about the ways that a work of art interacts with human sensory perception to produce a particular effect, as well as various other factors that affect the interpretation of a work of art. Once the student has obtained a basic foundation in art theory, he will begin to examine the history of art from its earliest manifestations in prehistoric times up through the ancient Egyptian civilization.

Art History B (0.5 Credit)

Welcome to the second semester of Art History! In this course, the student will build upon his basic foundation in art theory to examine the history of art. He will trace the history of art from ancient Greece to the Roman Empire. Along the way, the student will encounter art forms such as pottery, architecture, and sculpture. By the end of the course, the student will not only have acquired a knowledge of ancient art history, but the student will also have a better understanding of art as both a reflection and engine of history.

MUSIC

Living Music I (0.5 Credit)

Designed for students in grades 9-12, this course teaches fundamental musicianship skills from a Western-Classical approach, while aligning to National Core Arts Standards. The course challenges the student to improve listening, notation, analysis, performance, and improvisation skills. With audio, visual, and interactive technologies, the course provides a unique and advanced learning experience for the students.

Living Music II (0.5 Credit)

Designed for students in grades 9-12, this course enhances the student's fundamental musicianship skills from a Western-Classical approach, while aligning to National Core Arts Standards. The student will review and deepen skills and concepts of rhythm and notation learned and practiced in Living Music I. Using virtual tools and analysis of classic repertoire, the student will work to improve listening, notation, analysis, performance, and composition skills. With audio, visual, and interactive technologies, the course provides a unique and advanced learning experience for the students. *Living Music I is a prerequisite for this course.*

Music Appreciation (0.5 Credit)

Have you ever heard a music piece that made you want to get up and dance, sing, or even cry? Regardless of the genre, music moves us. Explore the elements and pieces of music. And learn through the historical context, musicians and composers, and influence of music from the Middle Ages to the 21st century, on how to listen and really hear the different music that makes up our world.

WORLD LANGUAGES

American Sign Language I A (0.5 Credit)

Did you know that American Sign Language (ASL) is the third most commonly used language in North America? Learn introductory vocabulary and simple sentences so that you can start communicating right away. Importantly, explore Deaf culture – social beliefs, traditions, history, values, and communities influenced by deafness.

American Sign Language I B (0.5 Credit)

The predominant sign language of Deaf communities in the United States, American Sign Language, is complex and robust. Discover more of this language and its grammatical structures through expanding your vocabulary by acquiring hundreds of new signs. Additionally, explore interesting topics like Deaf education and Deaf arts and culture, and learn about careers where you can use your ASL skills.

American Sign Language II A (0.5 Credit)

It's time to move beyond introductory ASL signs and start forming more compelling signs for communication. Explore how expressions can enhance signs and lend dimensions to conversations, while learning vocabulary for descriptions, directions, shopping, making purchases, and dealing with emergencies.

American Sign Language II B (0.5 Credit)

Ready to dive deeper into learning about the Deaf community, culture, and language? Learn about sequencing, transitions, role-shifts, and future tenses. Discover how to tell a story and ask questions, benefiting with greater exposure to deaf culture. Speed, conversations, signing skills, and cultural awareness are characteristics of this course.

American Sign Language III A (0.5 Credit)

As you dive into more advanced ASL signing, including unique grammar features and advanced classifiers and locatives, you'll learn, compose, and present your new-found vocabulary and narratives by immersing yourself in Deaf culture and community. From opinions, slang, and idioms, to using technology and media that offers authentic Deaf perspectives. Explore how travel, cultural differences, and geography affect sign language. And gain a better understanding of Deaf culture by learning important events and examining topics such as education, science, and literature.

American Sign Language III B (0.5 Credit)

Are you ready to discover ways in which Deaf culture influences the world in general? After all, the concept of culture goes far beyond an understanding of Deaf history. Through discussing

Deaf culture and experiences, you'll advance your signing skills by developing verb tenses, grammar, and syntax. Apply your language skills in real conversation activities and through opportunities to debate real issues. It's also time to explore the next steps in education and career opportunities for your new intermediate ASL skills.

French I A/B (1.0 Credit – ½ credit each semester)

Students join various native French speakers as they offer a lively introduction to their language and rich culture. New words and phrases are introduced with pictures, audio clips, and examples. After one semester, students engage in conversational French introducing themselves and exchanging basic information with others. Students also explore cultures of Canada and other French-speaking countries. Bon voyage!

French II A/B (1.0 Credit – ½ credit each semester)

Students join various native French speakers as they continue their second-year journey through rich language and culture. They navigate French communicative skills with a heavy emphasis on listening and comprehension, in addition to speaking, reading and writing.

French III A/B (1.0 Credit – ½ credit each semester)

This course is designed for students with strong listening and speaking skills plus a solid vocabulary base. The focus is on verb conjugation, direct and indirect object pronouns, and tenses. Students also improve their writing and speaking skills as they study the culture, art, and governments of French-speaking countries.

French IV A/B (1.0 Credit – ½ credit each semester)

Students cover present, past, future, and conditional tense verbs, subjunctive mood, articles, and adjectives while delving more deeply into French culture. This course, rich in authentic reading material, uses native-speaker recordings to enrich the student's culture, grammar, and French vocabulary lessons.

German I A/B (1.0 Credit – ½ credit each semester)

This is a beginning level course that will introduce the student to a variety of areas of language learning. In this course, the student will learn listening, speaking, reading, and writing skills through a variety of activities. Throughout the five units, or themes, of material (greetings, the date, weather, time, and colors), the student will learn to express himself using an ever-increasing vocabulary, present tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is presented throughout the course to help the learner focus on the German-speaking world, people, geographical locations, and histories

German II A/B (1.0 Credit – ½ credit each semester)

German II A is an intermediate level course that will introduce the student to a variety of areas of language learning. In this course, the student will continue to learn listening, speaking, reading, and writing skills through a variety of activities. Throughout the five units, or themes, of material (daily routine, animals, pastimes, the body, and descriptions), the student will learn to express himself using an ever-increasing vocabulary, past-tense verbs, demonstrative articles, and adjectives. Grammar is introduced and practiced in innovative and interesting

ways with a variety of learning styles in mind. Culture is presented throughout the course to help the learner focus on the German-speaking world, people, geographical locations, and histories.

German III A/B (1.0 Credit – ½ credit each semester)

Students learn to express themselves using ever-increasing vocabulary, present-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind, including listening, speaking, reading, and writing. Culture is sprinkled throughout the course to help the learner focus on the German-speaking world and its culture, people, geographical locations, and history.

Japanese I A/B (1.0 Credit – ½ credit each semester)

Japanese I A is a beginning-level course that will introduce the student to a variety of areas of the Japanese language. In this course, the student will learn listening, speaking, reading, and writing skills through a variety of activities. This course is organized into five topics: greetings, the date, time, colors, and places. The student will learn to express himself using ever-increasing vocabulary, present-form verbs, particles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. The student will also learn about the Japanese people, their culture, society, and history.

Japanese II A/B (1.0 Credit – ½ credit each semester)

This course builds on the skills the student learned in Japanese I. In this course, the student will learn listening, speaking, reading, and writing skills through a variety of activities. This course is organized into five topics: daily life, animals, activities, the body, and descriptions. The student will learn to express himself using ever-increasing vocabulary, present-tense verbs, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Throughout the course, the student will explore the Japanese people, their culture, lifestyle, geographical locations, and histories.

Spanish I A/B (1.0 Credit – ½ credit each semester)

Students cover basic vocabulary, grammar, spelling, and punctuation to build a solid foundation for further study. Assignments include engaging in simple conversation, writing paragraphs, and listening to Spanish dialogue. Students also study the history and culture of Spanish-speaking peoples.

Spanish II A/B (1.0 Credit – ½ credit each semester)

As they engage in more advanced conversations, write paragraphs and stories, and translate to and from Spanish, students improve their vocabulary and grammar. Intense listening comprehension exercises aid in understanding more complex thoughts and subjects.

Spanish III A/B (1.0 Credit – ½ credit each semester)

Spanish III A is a continuation of the first two years of Spanish instruction. The student will continue to sharpen his listening, speaking, reading, and writing skills through a variety of activities. This course is organized into five topics: feelings, transportation, work, countries, and the future. The student will learn to express himself using an ever-increasing vocabulary, present-tense verbs, past tense verbs, articles, and adjectives. Elements of the Spanish-

speaking world and culture appear throughout the course, including people, geographical locations, and histories.

Spanish IV A/B (1.0 Credit – ½ credit each semester)

Spanish IV A continues to build on the skills the student has mastered in his previous Spanish courses. The student will continue to sharpen his listening, speaking, reading, and writing skills through a variety of activities. Throughout the five topics covered in this course, the student will learn to express himself using an ever-increasing vocabulary, present-tense verbs, past-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Elements of the Spanish-speaking world and culture appear throughout the course, including people, geographical locations, and histories.

AP Spanish Language A/B (1.0 Credit – ½ credit each semester)

AP Spanish Language and Culture students practice perfecting their Spanish speaking, listening, reading, and writing skills. They study vocabulary, grammar, and cultural aspects of the language, and then apply what they learn in extensive written and spoken exercises. The course addresses the broad themes of Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics. By the end of the course, students will have an expansive vocabulary, a solid, working knowledge of all verb forms and tenses, a strong command of other language structures, and an ability to use language in many different contexts and for varied purposes. The equivalent of a college-level language course, AP Spanish Language prepares students for the AP exam and for further study of Spanish language, culture, or literature.