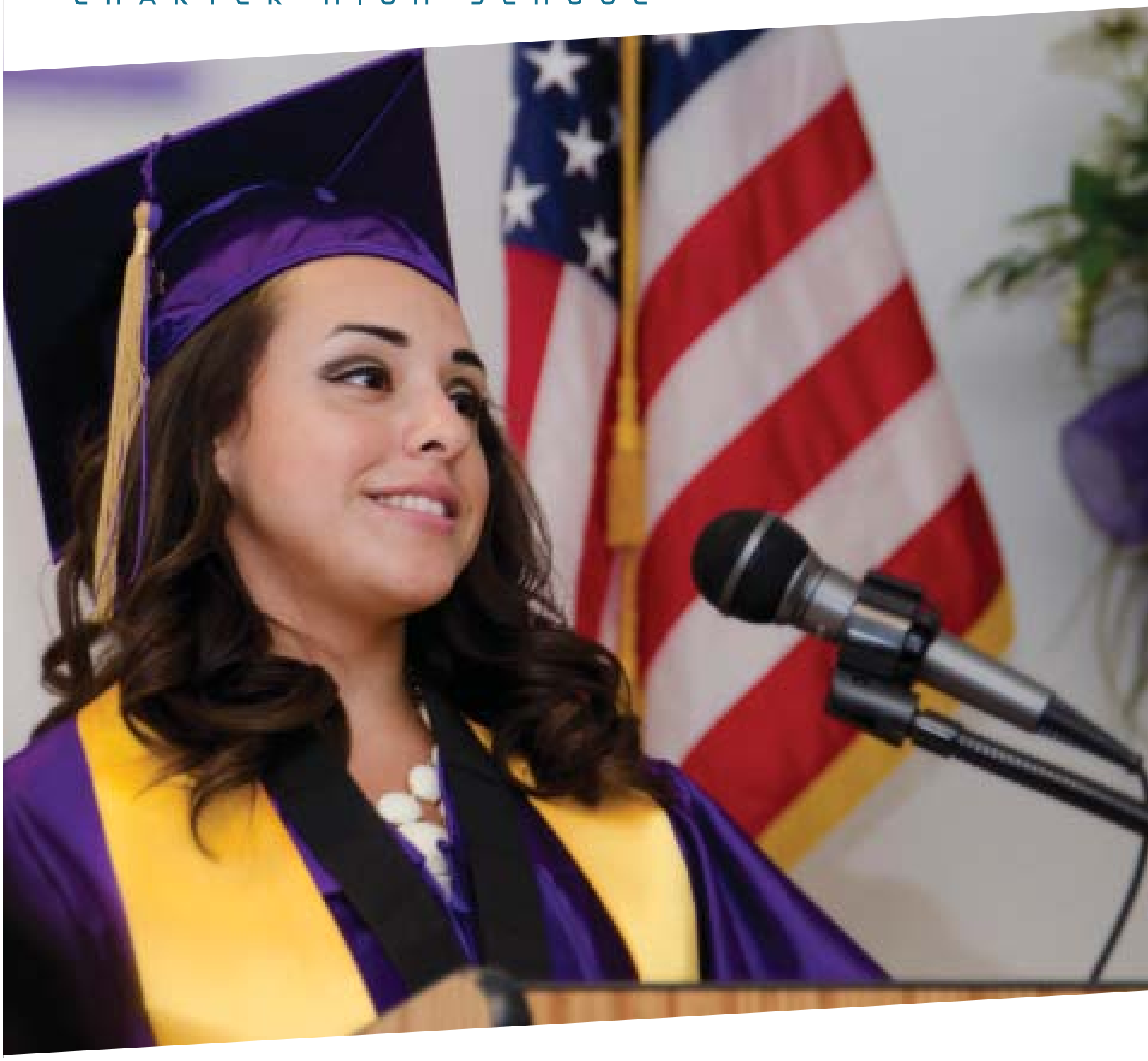
SIATech®
CHARTER HIGH SCHOOL

2015
2016



COURSE CATALOG

SIATech believes that all students can learn and that they have the right to earn a high school diploma, even though they previously have been unsuccessful in the traditional school system.

SIATech provides these At-Promise students the opportunity to earn a high school diploma, leading to advanced study and expanded career options. This opportunity will enhance each student's ability to access and succeed in institutions of higher education, vocational-technical careers and/or military service and promote his or her opportunities to learn the skills needed to negotiate the complexities of life and to achieve success in the 21st century workplace.

"This program helped me to see that I had a second chance to change for the better. I now have met my goal of receiving my high school diploma and much more."

- Student, San Diego

Mission

SIATech® provides a premiere high school drop-out recovery program engaging students through relationship-focused, high-tech, and rigorous learning experiences resulting in

Real Learning for Real Life ®

Vision

STUDENTS will view their future with optimism, find success as self-directed learners, and contribute to society.

STAFF will be empowered to make a difference in an environment of respect, recognition and professional growth.

COMMUNITIES will benefit from the success and contributions of SIATech® students.

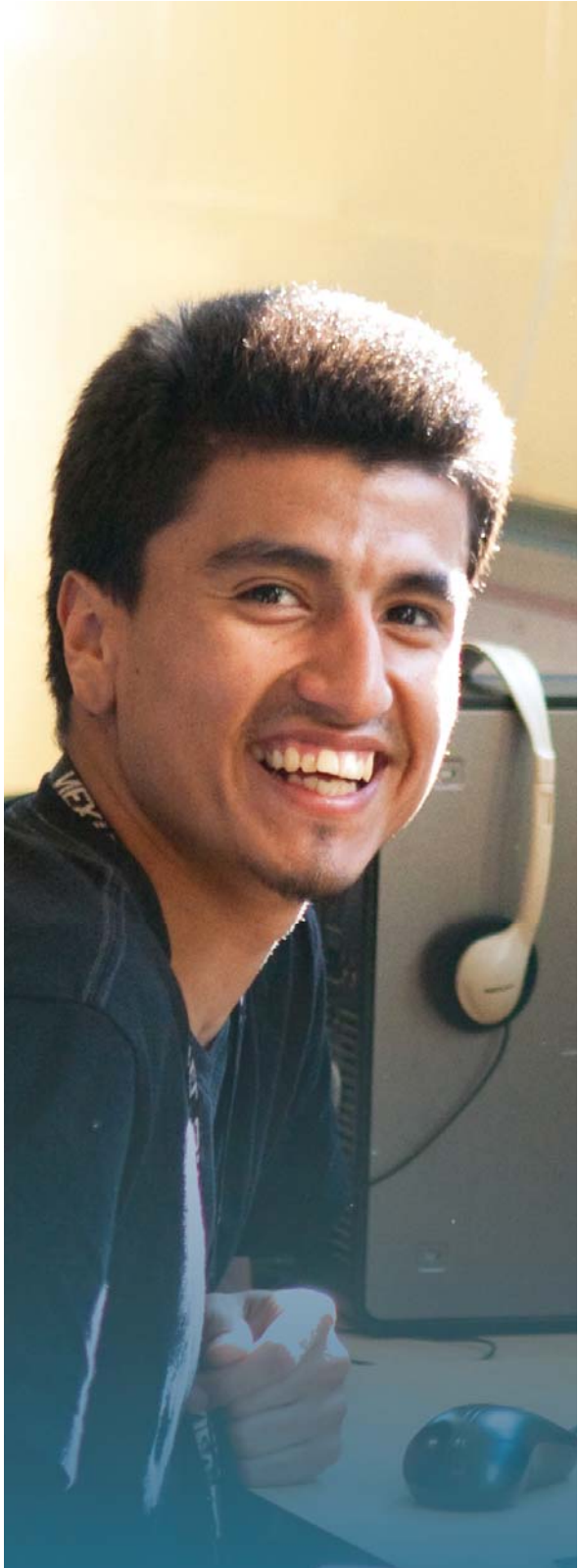
Values

Integrity: Do the right thing for the right reasons.

Respect: Seek to understand, accept, and use input from all.

Service: Respond to others in need.

Learning: Pursue opportunities for life-long growth.



"No time is wasted. All my work counts toward finishing high school."

- Student, San Jose

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Welcome!

Congratulations on your decision to enroll and take control of your future. Earning a high school diploma will open doors to your future and prepare you for college and the world of work. Our motto, "Real Learning for Real Life" ™ means that your high school program will be designed with you and for you to track your progress toward graduation. You will learn to use data to monitor your own journey into the future and make decisions that will allow you to achieve your goals.

Building academic skills in literacy, numeracy, and core content standards as well as learning to use state-of-the-art technology to access knowledge is key to the SIATech method. You will learn to think globally and better appreciate your place in the 21st century. Most importantly, you will identify and build on your strengths to become a steward of your world.

Equitable access to world-class education opportunities is the social issue of our time and the key to a bright future for every student. SIATech schools offer a rigorous, relevant, and engaging curriculum delivered in a personalized instruction model by highly qualified and caring teachers.

Fasten your seat belt and get ready to learn like you've never learned before! A bright future is the prize!

See you at graduation!

Dr. Linda Dawson
Superintendent/CEO

School Locations

SIATech El Centro
1560 Ocotillo Dr.
Suite I
El Centro, CA 92243
PH: 760-352-3002

SIATech Indio
WIN Center
45–570 Grace St.
Suite I
Indio, CA 92201
PH: 760-775-4205

SIATech Inland Empire
3173 Kerry Street
San Bernardino, CA 92407
PH: 909-887-7113

SIATech Long Beach
1903 Santa Fe Avenue
Long Beach, CA 90810
PH: 562-983-1777 Ext.2134

SIATech Los Angeles
221 W 11th Street
Suite 201
Los Angeles, CA 90015
PH: 213-743-5157

SIATech Moreno Valley
22635 Alessandro Blvd,
Suite C
Moreno Valley, CA 92553
PH: 951-653-1311

SIATech North County Coastal
1949 Avenida del Oro
Suite 106
Oceanside, CA 92056
PH: 760-414-3541

SIATech Opportunity Youth Academy
921 South 1st St. Bldg.
Suite B
San Jose, CA 95110
PH: 408-924-0128

SIATech Perris
351 Wilkerson Avenue
Suite F
Perris, CA 9257
PH: 951-657-7105

SIATech Sacramento
3100 Meadowview Road
Sacramento, CA 95832
PH: 916-394-0770 Ext. 2367

SIATech San Diego
1325 Iris Avenue
Imperial Beach, CA 91932
PH: 619-429-8500 Ext. 1103

SIATech South Bay
111 Bay Blvd.
Suite A-B
Chula Vista, CA 91911
PH: 619-575-4541

SIATech Treasure Island
351 Avenue H
Building 442
Treasure Island, CA 94130
PH: 415-325-2472

To enroll in a school near you, visit **www.siatech.org**

Education Program

SIATech's unique and innovative program integrates standards-based, academic knowledge within real-world applications in a work-like setting. The goal is to increase and improve learning opportunities for at-promise students, thereby preparing them to achieve a high school diploma and succeed in career-technical placements, advanced training, military service, and post-secondary education.

SIATech provides high expectations, an orderly atmosphere, strong emphasis on skill acquisition, and frequent monitoring of student progress to promote student success. Small learning communities allow for both a "high-tech" and a "high-touch" environment where students gain the academic skills and confidence to self-monitor their learning. Innovations of SIATech include a classroom environment designed like a workplace; the custom-designed ConTech Learning Strategies academic curriculum; small class size (14:1); competency-based and authentic portfolio assessments, as well as standards-based testing required for graduation; multi-media presentations of each student's work; daily access to industry-standard software; a computer workstation for every student; and post-graduation placement and follow-up.

Graduation Requirements

Curriculum	Credits for Classroom Program	Credits for Independent Study Program
English	40	40
Mathematics *Including one year of Algebra 1 or its equivalent*	30	30
Life Science	10	10
Physical Science	10	10
World History	10	10
US History	10	10
US Goverment	5	5
Economics	5	5
Senior Projects	up to 10	up to 10
Creative Technology: Digital Art	10	10
Electives	80	60
Graduation Portfolio	—	—
Total Credits	220	200

Courses offered by SIATech are accredited by the Western Association of Schools and Colleges and are transferable. Courses approved by the University of California or the California State University as creditable under the "A-G" admissions criteria meet college entrance requirements.

Course Offerings

ENGLISH

Basic English

CODE: 2101 CREDITS: 5

This course is designed to provide instruction in basic language skills and integrates reading, writing, speaking, and listening while emphasizing individual student progress. Instruction may include vocabulary building, spelling and grammar, writing and composition, reading silently or aloud, and improving listening and comprehension skills.

Basic Reading

CODE: 2100 CREDITS: 10

This course is designed to provide instruction in basic and developmental reading skills and strategies while emphasizing individual student progress. Course content depends on students' abilities entering the course and is designed to accelerate student growth in reading ability. Instruction may focus on reading silently or aloud, vocabulary development, comprehension, fluent decoding, reading/writing connections, text-based collaboration, student motivation and self-directed learning,

ELL

CODE: 2110 CREDITS: 10

Students are introduced to the parts of speech, sentence and paragraph structure, and editing for mistakes in writing.

This course is also available online.

This course is available through a partnership.

English 9

CODE: 2130 CREDITS:10

UC approved: B | Required Course

The purpose of this course is to provide students opportunities to interact with high complexity texts while integrating language arts study in reading, writing, speaking and listening, and language for college and career readiness. The course embeds national and local content standards into interdisciplinary lessons that also teach technology and presentation skills with the Microsoft Office Suite. The global focus of this course is designed to help prepare students for college, the military, or the workforce.

English 10

CODE: 2131 CREDITS:10

UC approved: B | Required Course

The purpose of this course is to provide students opportunities to interact with high complexity texts while integrating language arts study in reading, writing, speaking and listening, and language for college and career readiness. The course embeds national and local content standards into interdisciplinary lessons that also teach technology and presentation skills with the Microsoft Office Suite. The scientific focus of this course is designed to help prepare students for college, the military, or the workforce.

English 11

CODE: 2132 CREDITS:10

UC approved: B | Required Course

The purpose of this course is to provide students opportunities to interact with high complexity texts while integrating language arts study in reading, writing, speaking and listening, and language for college and career readiness. The course embeds national and local content standards into interdisciplinary lessons that also teach technology and presentation skills with the Microsoft Office Suite. The historical focus of this course is designed to help prepare students for college, the military, or the workforce.

English 12

CODE: 2133 CREDITS:10

UC approved: B | Required Course

The purpose of this course is to provide students opportunities to interact with high complexity texts while integrating language arts study in reading, writing, speaking and listening, and language for college and career readiness. The course embeds national and local content standards into interdisciplinary lessons that also teach technology and presentation skills with the Microsoft Office Suite. The college and career focus of this course is designed to help prepare students for college, the military, or the workforce.

Intensive Reading

CODE: 2100 CREDITS: 5

Students are able to work through three different levels of this course: Foundational, Intermediate, and Advanced. Students practice and master reading strategies and skills in each level focusing on reading passages, comprehension, and vocabulary.

Oral Communication

CODE: 2112 CREDITS: 5

The one-semester Oral Communication course will provide students with an understanding of the dynamics of effective communication when speaking, listening, and responding. Students will express ideas and present information in a variety of communication tasks including small group discussion, formal and informal presentations, and oral interpretation of literature. Students will develop basic communication competencies including ethical practices in communication; recognition of communication barriers; and effective use of interpersonal communication, listening, verbal and nonverbal messages, and use of digital media.

Reading for Success

CODE: 2101 CREDITS: 5

This course is targeted for students who are not "college-ready" in reading. This course incorporates reading and analysis of informational selections to develop critical reading skills necessary for success in college courses.

Writing for Success

CODE: 2113 CREDITS: 5

This course is targeted for students who are not "college-ready" in writing. This course incorporates language study, the practice of writing craft strategies, and the analysis of writing selections to develop critical writing skills necessary for success in college courses.

MATHEMATICS

Algebra 1a & 1b CCSS

CODE: 2437 CREDITS: 10

UC approved: C | Required Course

Prerequisite: Intro to Algebra

This course is designed to develop students' fluency with functions. The instruction involves deepening and extending students' understanding of linear, quadratic, and exponential relationships. Students will apply linear models to data and engage in methods for analyzing, solving, and using functions including linear, quadratic and exponential models. Some of the key central ideas in the Algebra 1a and 1b include variables, expressions, problem solving, notion of functions, solving equations, rates of change and growth patterns, graphs as representations of functions, and modeling.

Algebra 2 CCSS

CODE: 2438 CREDITS: 10

UC approved: C | Required Course

Meets math requirements

This course is designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as systems of equations, advanced polynomials, quadratics, conic sections, exponential and logarithmic functions, graphing, and introduces matrices. The content of this course is important for students' success on both the ACT/SAT and college mathematics entrance exams and is recommended for all students seeking to undertake post-secondary education. This course also requires students to engage in and complete a minimum of two CCSS based activities and actively engage in problem solving and analysis utilizing the technology of graphing and regression calculators.

This course is also available online.

This course is available through a partnership.

Algebra 3

CODE: 2498 CREDITS: 10

Prerequisite: Algebra 2 credit

This course is designed to enhance the higher level thinking skills developed in Algebra II through a more in-depth study of those concepts and exploration of some precalculus concepts. Students in Algebra III will be challenged to increase understanding of algebraic, graphical, and numerical methods to analyze, translate and solve polynomial, rational, exponential, and logarithmic functions. Modeling real world situations is an important part of this course. Sequences and series will be used to represent and analyze real world problems and mathematical situations. Algebra III will also include a study of matrices and conics.

Algebra Development 1a & 1b

CODE: 2498 CREDITS: 10

Prerequisite: Algebra or Algebra 1a & 1b

This course is designed for students that have previously earned a full year of Algebra 1 credits to fulfill the graduation requirements but are still struggling with math and algebra competency testing as evidenced in some summative testing. The course further builds numeracy concepts and algebra skills.

Algebraic and Geometric Connections

CODE: 2498 CREDITS: 10

This course is designed to build mathematical skills in functions, sequences & series, interest rates, matrices, graph theory, data & statistics, and geometric properties. This course will strengthen math modeling and problem solving skills to support college and career preparation. Students must have already taken an Algebra 1 course and a geometry course would help but is not absolutely necessary.

Basic Math

CODE: 2400 CREDITS: 10

This is a general mathematics course designed to reinforce basic skills in mathematics and teach students the application of these skills to real world problems and situations. The topics covered include arithmetic using rational numbers, the numeration systems, and place value. The higher grades may include basic geometry and basic statistics.

Bridge to Algebra 2

CODE: 2409 CREDITS: 10

Meets math requirements

Bridge to Algebra II was developed with the intent to provide students who have completed Algebra I, under standards that were less rigorous than those now in place to build the foundation they need to be successful in the newer more rigorous standards in a current Algebra II course. The course will reinforce linear concepts that were previously included in Algebra I, build mastery for quadratics and exponential concepts through modeling, functions and summarizing, representing, and interpreting data, as well as introduce higher order concepts to prepare students for success in upper level mathematics, college, and careers.

Foundational Math

CODE: 2400 CREDITS: 5 OR 10

Does not meet math requirements

This is an elective credit only and does not count towards the 3 math credits needed for graduation. This is for scaffolding to prepare students that need it to be successful in the Intro to Algebra and Algebra 1a course. It builds number sense skills and mathematical content understanding necessary to be successful in a career and Algebra.

Geometry

CODE: 2439 CREDITS: 10

UC approved: C

Meets math requirements

Prerequisite: Algebra 1 credit This course introduces students to the study of plane figures. The Geometry course includes geometric transformations, geometric theorems, congruence and similarity, analytic geometry, and right-triangle trigonometry. Students begin to prove results about the geometry of the plane and construct geometric figures. There is an emphasis on discovering trigonometric relationships and solving problems with right triangles. The relationship between the plane and the Cartesian coordinate system is explored as students connect algebraic and geometric concepts. Students explore drafting technology to apply and connect their geometric properties throughout the course.

Intro to Algebra

CODE: 2424 CREDITS: 10

Meets math requirements

Students develop strong numeracy and algebraic skills foundation through real world based lessons and assessments. These are developed throughout this course with lessons involving critical thinking, problem-solving, and a strong emphasis on multiple ways to express numerical values. Students develop the concept of what variables are and build the skills needed to use these to solve real world scenarios with an emphasis on career ties. Students leave the course with a solid number sense and algebra knowledge base, which will help them be successful in their future careers and education endeavors.

Liberal Arts Algebra & Geometry

CODE: 2498 CREDITS: 10

Meets math requirements

Prerequisite: Algebra 1 and Geometry 1 credit

This course is designed to support the needs of students that need more support in Algebra and Geometry to be successful in higher mathematics courses such as an Algebra 2. The first semester reviews and builds upon the essential components of an Algebra course. The second semester reviews and builds upon the key components in a Geometry course. This course would be a great fit for students preparing for a high stakes test covering the two subjects if they took the original courses in the past.

This course is also available online.

Liberal Arts Math

CODE: 2498 CREDITS: 10

Meets math requirements

Prerequisite: Algebra 1 or Algebra 1a and 1b

This course is designed to build on algebraic and geometric concepts. It develops financial literacy skills, statistical analysis skills, statistical problem solving and modeling, a firm understanding of functions and their properties, and geometric modeling, constructions and problem solving. This course has a prerequisite of completion of Algebra.

Liberal Arts Math 2

CODE: 2498 CREDITS: 10

Meets math requirements

Prerequisite: Algebra 1credit

This course is designed to follow the Liberal Arts Algebra and Geometry Course. Topics include statistics, real numbers, exponents, polynomials, factoring, solving equations and inequalities, frequency tables, graphing, systems of equations & inequalities, rational expressions, radical expressions, quadratics, and functions.

Math for College Readiness

CODE: 2498 CREDITS: 10

Meets math requirements

Prerequisite: Algebra 1 credit

This elective course is designed as a test preparation course for students that need to take the SAT/ ACT, ASVAB, etc. as well as college entrance exams. Math for College Readiness units include algebra and geometry topics as well as test preparation and study techniques.

SCIENCE

Anatomy & Physiology

CODE: 2655 CREDITS: 10

Usually taken after a comprehensive initial study of biology, the Anatomy and Physiology course presents the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, etc.), and may dissect mammals.

Biology

CODE: 2603 CREDITS: 10

UC approved: D | Required Course

This course provides students with a solid foundation in biological sciences. After completing an introductory unit, students examine five major biological themes: cell biology, genetics, physiology, evolution, and ecology. The course emphasizes inquiry-based lab experiments that utilize the scientific method, critical thinking, and writing. This course also emphasizes the importance of vocabulary, reading, communication skills, and aims to enhance current levels of scientific literacy and mastery.

Chemistry

CODE: 2607 CREDITS: 10

Meets physical science requirement

This course involves studying the composition, properties, and reactions of substances. This course explores topics in chemistry, including the behaviors of solids, liquids, and gases; acid/base and oxidation/ reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.

Earth and Space Science

CODE: 2618 CREDITS: 10

UC approved: D | Required Course

Meets physical science requirement

This course is designed to have students gain an appreciation for our Earth, not as a collection of separate spheres, but rather as a dynamic and integrated set of systems. Through explorations and research, students will discover important roles we play and the impact they have on our Earth and its systems. Topics covered include geology, meteorology, oceanography, astronomy, and energy resources, with some basic background in chemistry and physics. This course is intended to serve as a course that meets the high school graduation requirement in physical science. It is also intended to serve as a "bridge" course to Chemistry or Physics for students wishing to further their studies in science.

Physical Science

CODE: 2610 CREDITS: 10

Meets physical science requirement

This Physical Science course presents units via a standards-based approach to exploration of concepts. These units in Chemistry, Physics, Earth & Space, and Earth History examine the major scientific themes regarding properties of energy and non-living matter, volume and mass, properties of matter, mixtures, atoms & molecules, energy & forces, properties of the physical earth, solar system and celestial bodies, and lab safety. These topics are further explored with emphasis on inquiry-based lab experiments, critical thinking, and writing.

SOCIAL SCIENCE

American Government

CODE: 2703 CREDITS: 5

UC approved: A | Required Course

In American Government students learn the origins, development, structure, and functions of American government as well as civic participation. Through a series of lessons integrating core skills such as reading comprehension, critical thinking, problem-solving, and the use of technology, students learn the fundamentals of American democracy, enabling them to more intelligently vote, participate, and influence the dynamics of their government.

Economics

CODE: 2701 CREDITS: 5

UC approved: G | Required Course

In Economics, students learn basic principles of micro and macroeconomics. Through a series of financial literacy lessons integrating core skills such as reading comprehension, critical thinking, problem-solving, data/graphical analysis, and Internet research skills along with the use of technology, students will build an understanding of the foundations of a market economy and major economic institutions.

This course is also available online.

US History 1/US History 2

CODE: 2709 CREDITS: 10

UC approved: A | Required Course

The United States History course is divided into two 5-credit segments. In US History 1, students will study the Civil War and Reconstruction, the Industrial Revolution, and Immigration to America. In US History 2, students will learn about the Progressive Era, analyze a historical speech, and conduct an inquiry-based research project. United States geography lessons are embedded throughout the US History course, as are core skills, such as reading comprehension, critical thinking, problem-solving, and the use of technology.

World History 1/World History 2

CODE: 2711 CREDITS: 10

UC approved: A | Required Course

The World History course is divided into two 5-credit segments. In World History 1 students study Geography, World Religions, and the Age of Imperialism. In World History 2 students study Geography, the causes and effects of World Wars 1 & 2, and major events shaping our world from that time period to the present. Students will develop comprehensive knowledge of World History through a series of lessons integrating core skills, such as reading comprehension, critical thinking,

REQUIRED ELECTIVES

Creative Tech: Digital Art

CODE: 2820 CREDITS: 10

UC approved: F | Required Course

This course embeds visual arts and technology standards into creative projects with industry-standard digital-processing software. Students learn elements of art and principles of design, how to critique art and receive feedback, and gain an appreciation for the cultural value of art. Students start through a series of guided projects and progress until they are creating their own original pieces with their choice of software and tools. Throughout the course, students build design, art, and technology and computer skills as they learn Adobe Illustrator, Photoshop, Flash and other art programs. They connect art to other content areas (e.g., social responsibility, geography) and continue to develop reading and critical thinking skills. Students also develop technology skills and components for their senior projects and Graduation Portfolio. They leave the course able to interpret art and with entry-level multimedia skills as well as the technology and process skills to work productively and creatively at work and at home.

Senior Projects

CODE: 6098 CREDITS: 10

UC approved: G | Required Course

This cumulative, project-based course provides students with exposure and foundational knowledge in various new and relevant technologies for a broad range of industries. Students apply knowledge and skills learned in core academic classes with technology to complete a diverse range of projects representing different professional applications, including STEM (e.g., computer assisted drafting or robotics); business and productivity software; desktop publishing and graphic design; video production, web development, and multimedia presentations. Components of each project include writing, design, problem-solving, technology, and career exploration. This course culminates with a graduation portfolio and its presentation to a student's peers and teachers, demonstrating growth, accomplishments, meeting of state standards, and readiness for work or higher learning.

FOREIGN LANGUAGES

Spanish 1

CODE: 2206 CREDITS: 10

UC approved: E

Elective Course

Designed to introduce students to Spanish language and culture, Spanish I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through different customs and the history of Spanish-speaking people.

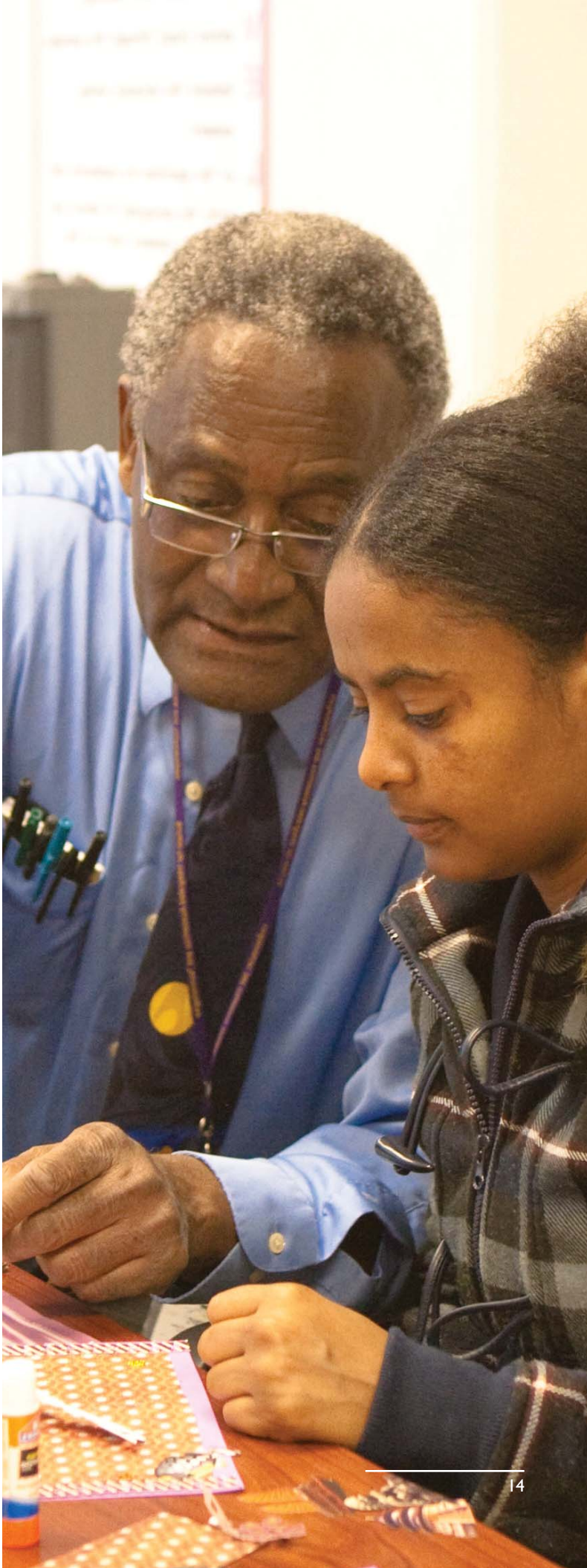
Spanish 2

CODE: 2207 CREDITS: 10

UC approved: E

Elective Course

Spanish II builds upon skills developed in Spanish I, extending the ability of students to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).



This course is also available online.

ELECTIVES

Note: Some elective courses may not be offered at every location.

21st Century Workforce Skills

CODE: 4623 CREDITS: 5

This instructional program provides individuals with a foundation of knowledge, skills, and attitudes common to a variety of business occupations. Students learn about the technology, multimedia, and information systems and trends found today in current businesses and workplaces.

3D Printing

CODE: 2458 CREDITS: 10

Students taking this course will learn and apply key historical factors of manufacturing to current and emerging 3D printing technologies. They will compare and contrast 3D technologies and real-life applications. They will design and print simple and complex objects with moving parts.

Applied Computer Technology

CODE: 2458 CREDITS: 2.5

The purpose of this course is to provide students with an understanding of the various kinds of microcomputer hardware and their uses and to provide instruction in basic microcomputer architecture, interfacing, and diagnostic, repair, and maintenance techniques. Topics covered include basic microcomputer architecture, interfacing, diagnostic and repair techniques, and an introduction to the basic principles of robotics and their future roles in society.

Note: Students can take either this class or Intro to Computers.

Advanced Senior Projects

CODE: 6098 CREDITS: 5-10

The purpose of this course is to provide students with an opportunity to focus deeply on a specific technology and its academic and career applications. Students, with instructional guidance, choose a technology and explore multiple areas and dimensions, some of which might include history; artistic, economic or political applications; career potential; and integration with other academic disciplines and technologies.

Career Preparation Education

CODE: 2722 CREDITS: 15

Students are introduced to the world of career exploration, with emphasis on techniques for filling out job applications, interviewing techniques, preparation of a resume, communication and stress management skills. Students will learn, demonstrate, and practice: cultural awareness, proper health, hygiene and personal responsibility skills required at the workplace and job search skills including computer fluency. Students will also create a personal career development plan and learn about one-stop centers.

This course is also available online.

This course is available through a partnership.

Career Preparation: Automotive Mechanics

CODE: 5655 CREDITS: 40

This instructional program provides students with the knowledge and skills to diagnose and repair automotive engines and support systems such as automatic transmissions and trans-axles, brakes, electrical systems, engine performance systems, engine heating and air-conditioning systems, manual drive trains and axles, and suspension and steering systems. Course topics may also include comprehension and use of repair manuals, data acquisition, safety, shop management and employability skills. Students will also receive training in technology and career planning.

Career Preparation: Building Trades and Construction

CODE: 5549 CREDITS: 40

This instructional program prepares students for a career in a building trade or construction-related vocation. Possibilities for focus include automotive trades, bricklaying, carpentry, cement masonry, electrical, equipment operation, facilities maintenance, HVAC, landscaping, machining, manufacturing, painting, plastering, plumbing, solar and welding. Students will learn, demonstrate and practice safety, personal and environmental responsibility, technical and practical job skills, including job search and technology fluency. Interpersonal communication, problem solving, and social and personal management skills are also emphasized.

Career Preparation: Computer/Technical Careers

CODE: 4633 CREDITS: 40

This program will explore workplace safety, customer relations, and help ticket documentation. Students will also learn various computer operating systems such as Linus, computer maintenance, electrical measurements and energy conservation, basic troubleshooting, and virus protection. Students will also be introduced to various devices such as tablets, laptops and mobile devices; and, network architecture and Internet technologies, as well as careers in the IT industry. This program will prepare students for an entry level IT support career.

Career Preparation: General Office Occupations

CODE: 4613 CREDITS: 40

This instructional program prepares students for a career in an office or indoor setting. Possibilities for focus include accounting services, child development, computer technician, office administration or retail sales. Students will learn, demonstrate and practice personal responsibility, technical and practical job skills, including job search and computer fluency. Interpersonal communication, problem solving, and social and personal management skills are also emphasized. Potential tasks may include copying information from one record to another; sorting, filing, and retrieving records or other documents; tabulating and posting data in record books or software; handling paper and electronic mail; proofreading records and reports; copy machine, telephone services, electronic calculator, computing, and word processing.

Career Preparation: Healthcare Occupations

CODE: 4257 CREDITS: 40

This instructional program prepares students for employment in occupations in health care. Students may focus on a particular career which might include nurse assistant or health occupation worker. This course includes an overview of prevention, treatment, and management of illness and the preservation of mental and physical well-being through the services offered by the medical and allied health professions. Students will also demonstrate communication and interpersonal skills, infection control, safety/emergency procedures, personal care skills, basic nursing skills, mental health and social service needs, and basic restorative services. Students will also receive training in technology and career planning.

Career Preparation: Homeland Security

CODE: 5843 CREDITS: 40

This instructional program prepares students for employment in homeland security or other protective services. Depending on the student's focus, students will receive detailed training including prevention, communication and intervention for many situations including crowd and traffic control, emergencies, crime, terrorism, WMDs, and workplace situations. Students will also receive training in many other areas needed for a security career, possibly including but not limited to law, public relations, ethics, professionalism, interviewing, observation, report writing, surveillance, cyber security, border security, risk management, resource and information sharing, public agencies and substance abuse, as well as technology and career planning.

This course is available through a partnership.

Career Preparation: Hospitality

CODE: 4441 CREDITS: 40

This instructional program prepares students for employment in occupations in hospitality, tourism, and recreation. Instruction includes providing hospitality services in diverse settings to meet the needs of a wide variety of clients. Instruction may also include guest services, professionalism, safety, security, various hotel positions, reservations, food and beverage, transportation, eco-tourism; international geography, customs and culture, travel, and documentation; event planning, and recreational activities. Training will also include technology, which may include PBX and computer systems, and career planning.

Career Transition

CODE: 4902 CREDITS: 5

The Career Transition course provides students with career guidance and services tailored to meet the student's needs. Services offered might include observations and experiences at selected worksites, career counseling, job seeking support, resource support and job placement. The goal of this course is for students to successfully find and keep a job aligned to their area of study and training.

College Readiness Resources

CODE: 6004 CREDITS: 5

The College Readiness Resource course provides academic support and guidance to students in order to help them achieve success in their academic work on their "UPATH" to higher education. The course focuses on building and reinforcing necessary skills, strategies and content knowledge so that the student may achieve success in college. Students will become familiar with the college campus experience, as well as the steps to apply to college and receive financial assistance.

Community Service

CODE: 2798 CREDITS: 5

Students who take this course work with their teacher will engage in community service projects. Students are required to do at least sixty hours of community service, including participating in and organizing projects. Students are also required to produce plans, documentation and thoughtful written reflections on their experiences, growth, and their role as a contributing and involved citizen and community member. The course will conclude with a student presentation to share experiences and reflections.

Computer Applications 1

CODE: 2450 CREDITS: 2.5

Computer Applications 1 provides the student with an introduction to MS Word, Excel, Access, and Power Point. Students learn how to use these applications and complete projects to demonstrate their mastery. The course also provides an opportunity for students to study the impact that computers have had on society. After completing this course, a student should be proficient enough in these programs to complete a wide array of projects in both the academic as well as professional setting.

Computer Applications 2

CODE: 2450 CREDITS: 2.5

Computer Applications 2 delves deeper into MS Word, Excel and Access; exposes the students to geographic technologies; and provides an exploration in determining what types of resources are available for research. Students do a variety of computer application projects and are introduced to the world of geocaching. After completing this course, a student should be proficient enough to determine what type of software will best meet the needs for specific projects and be able to produce products that are professionally advanced.

This course is also available online.

This course is available through a partnership.

Driver Training

CODE: 2546 CREDITS: 5

This course is designed to teach students driving skills for operating an automobile. Students learn to drive under different driving conditions. The course emphasizes safe driving strategies and practices. Students will earn a driver's license upon successfully completing this course.

Experiential Learning

CODE: 6098 CREDITS: 10

The Experiential Learning course allows students to apply valuable learning experiences outside of the classroom to their high school goals of academic, personal, and professional growth. The goal of the course is for students to grow the positive attitude, ethics, skills, habits, and attitudes conducive to professional success through employment or professional development activities. Students may earn up to 10 credits of this course per school year.

Graphic Design 1 & 2

CODE: 5752 CREDITS: 10

This course enables students to develop skills in graphic design. Students will learn layout, typography, and design to create images and products that reflect knowledge of the elements of art and principles of design.

IC³: Computing Fundamentals

CODE: 2458 CREDITS: 5

The Computing Fundamentals course covers a foundational understanding of computer hardware, software, operating systems, peripherals, and troubleshooting to help get the most value and impact from computer technology.

Students who complete this course may take an IC³ certification exam to verify that they possess the accepted standard level of basic computer and Internet literacy skills and are more efficient and marketable.

The IC³ Global Standard 4 Certification is comprised of three individual examinations:

- Computing Fundamentals
- Key Applications
- Living Online

IC³: Key Applications

CODE: 2458 CREDITS: 10

The Key Applications examination covers popular word processing, spreadsheet and presentation applications, and the common features of all applications to help students learn faster, work smarter, and present themselves better.

Students who complete this course may take an IC³ certification exam to verify that they possess the accepted standard level of basic computer and Internet literacy skills and are more efficient and marketable.

The IC³ Global Standard 4 Certification is comprised of three individual examinations:

- Computing Fundamentals
- Key Applications
- Living Online

IC³: Living Online

CODE: 2458 CREDITS: 5

The Living Online examination covers skills for working in an Internet or networked environment and maximizing communication, education, collaboration, and social interaction in a safe and ethical way.

Students who complete this course may take an IC³ certification exam to verify that they possess the accepted standard level of basic computer and Internet literacy skills and are more efficient and marketable.

The IC³ Global Standard 4 Certification is comprised of three individual examinations:

- Computing Fundamentals
- Key Applications
- Living Online

Independent Study Orientation

CODE: 6098 CREDITS: 2.5

This course is a comprehensive review of how to be successful in an independent study setting. It includes instruction on how to access systems and submit work as well as assessments to determine reading, math, and writing levels. Students will complete digital awareness curriculum to learn about how to use technology and the Internet responsibly. At the end of this course, students will be ready to begin the core curriculum.

Intro to Computers

CODE: 2454 CREDITS: 2.5

The purpose of this course is to provide the students with a solid foundation in the various components of computing. Students learn about the different computer systems, are exposed to the functions of a computer, and explore various methods in which telecommunications take place. Students also explore how computers have had an impact on society and multiple careers. Finally, students heighten their awareness of the ethical uses of technology.

Note: Students can take either this class or Applied Computer Technology.

Intro to Computer Science (Coding)

CODE: 2451 CREDITS: 10

This course covers the principles and programming styles used in the design and implementation of contemporary programming languages. Students are introduced to the history of programming languages, language syntax and formal grammars, language processors such as compilers and interpreters, and generalized parsing strategies. The course focuses on particular language constructs and their realization in a variety of programming languages. A particular language such as C, BASIC, or Pascal is used to provide students with practical illustrations of various programming principles.

Microsoft Office Specialist: Excel

CODE: 2548 CREDITS: 5

This course prepares students to design, manipulate, record, edit, store, share and revise data in a spreadsheet. Spreadsheet skills and topics are covered, from beginning to advanced, using Microsoft Excel, the spreadsheet used most commonly by businesses worldwide. This course will also prepare students to pass the Microsoft Specialist Excel exam.

This course is also available online.

Microsoft Office Specialist: PowerPoint

CODE: 2548 CREDITS: 5

This course prepares students to operate presentation software to design, originate, record, edit, store, share and revise business presentations. Presentation software skills and topics are covered, from beginning to advanced, using Microsoft PowerPoint, the presentation software used most commonly by businesses worldwide. This course will also prepare students to pass the Microsoft Specialist PowerPoint exam.

Microsoft Office Specialist: Word

CODE: 4614 CREDITS: 5

This course prepares students to operate word processing software to design, originate, record, edit, store, share and revise business correspondence, reports, publications and more. Word processing skills and topics are covered, from beginning to advanced, using Microsoft Word, the word processor used most commonly by businesses worldwide. This course will also prepare students to pass the Microsoft Specialist Word exam.

PE Advanced Physical Fitness

CODE: 2502 CREDITS: 5

This course is designed to allow students to experience and develop skills in more than one team sport (such as volleyball, basketball, football, soccer).

PE Healthy Living 1

CODE: 2535 CREDITS: 5

In Healthy Living 1, students learn the fundamental components of living healthy. These components include physical fitness, with an emphasis on cardiovascular activity and exercise management; body composition, including weight, obesity, eating disorders, and body mass index; and nutrition, including learning about a balanced diet and caloric intake. Through a series of lessons integrating core skills, students will learn strategies to help them begin, design, and maintain an exercise and nutrition program to keep them fit for life.

PE Healthy Living 2

CODE: 2535 CREDITS: 5

In Healthy Living 2, students advance their understanding of behaviors that are beneficial and harmful to living healthy. Students will learn the positive impact sports can have on our culture. Students will also learn about dangers to healthy living, including stress, drugs, alcohol, and smoking. Students will also learn how to interpret and evaluate the marketing and availability of health services in their community. Through a series of lessons integrating core skills, students will learn strategies to help them make life-long good choices to keep them fit for life.

PE Personal Fitness

CODE: 2500 CREDITS: 5

In Personal Fitness, students learn the fundamental components and basic principles of fitness including the knowledge of movement skills, safety guidelines, proper technique, and exercise principles. Students will assess their current level of fitness in relation to cardiovascular health, muscular strength, muscular endurance, flexibility, and body composition. Through a series of lessons integrating core skills, students will also learn strategies to help them begin, design, and maintain an exercise program to keep them fit for life.

Study Skills and Test Taking Strategies

CODE: 6001 CREDITS: 10

This course provides students with academic support, strategies, and guidance in order to help students achieve success in academic work or with a high-stakes exam. Students can learn strategies that might include time management, outlining, note taking, organization, active listening, research methods, and test-taking strategies. Students might also specialize in the content of a particular exam (e.g., ASVAB, professional certification, or other high-stakes exam).

Visual Technology 1

CODE: 2820 CREDITS: 10

Students explore the fundamental concepts, terminology, techniques, and applications of digital imaging to create original work. Students produce animated digital images through the single or combined use of computers, digital cameras, digital video cameras, scanners, photo editing software, drawing and painting software, graphic tablets, printers, new media, and emerging technologies. Through the critique process, students evaluate and respond to their own work and that of their peers to measure artistic growth. This course incorporates hands-on activities, the use of technology, and consumption of art materials.

This course is also available online.

This course is available through a partnership.

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