

# Adult High School

## Noncredit Adult High School

MiraCosta College provides classes for adults who wish to obtain their high school diplomas. Some classes are also appropriate for individuals who wish to increase skills in preparation for college coursework, employment or advancement in the workplace, or personal growth. Classes are held at the Community Learning Center at 1831 Mission Avenue in Oceanside and are open to adults 18 years of age or older. Individuals who are under 18 years of age who can benefit from instruction may be allowed to enroll.

Any student enrolled in a day high school (regular or continuation) must meet the following criteria in order to take classes in MiraCosta's Adult High School: they must be a credit-deficient student, 16 years old or older, who has attended at least five semesters of high school. Day high school students must also present a Concurrent Enrollment Permit signed by their day high school principal, counselor, and parent. An individual under the age of 18 who is not currently enrolled in a day high school (regular or continuation) may be allowed to enroll with a Minor's Permit signed by a parent or guardian.

The Concurrent Enrollment Permit and Minor's Permit are available at high school counseling offices, the Oceanside and San Elijo Admissions and Records Offices, and the Community Learning Center as well as online at Adult High School.

*Note: Students enrolled in this program cannot receive federal financial aid.*

## Accreditation

The MiraCosta College Adult High School is accredited by the Accrediting Commission for Schools, Western Association of Schools and Colleges. Address: 533 Airport Blvd., Suite 200, Burlingame, CA. Phone: 650.696.1060.

## Tuition

Courses offered in this program are provided tuition-free.

## Hours Per Class/Credits Earned

Each adult high school course includes 48-to-54 in-class instructional hours plus 48-to-54 outside-of-class hours of laboratory or study time. Students receive five high school credits for each successfully completed class.

## Adult High School Terms

Classes are offered in different formats and at a variety of times in order to meet students' varying needs. The regular school year has four 8-week terms plus a 6-week summer intersession.

## Counseling and Evaluation

Counselors evaluate a student's standing upon their admission to the Adult High School, and they help the student plan a program to meet graduation requirements. (See Sources of Credit below.) Counselors are available throughout each term to assist students in the Adult High School, college, and career planning as well as job searches.

## Sources of Credit

Credit from the following sources may be applied toward a high school diploma through the college's Office of Instructional Services:

- ▶ Successful completion of MiraCosta College adult high school, specified noncredit, or specified credit courses.
- ▶ Transfer credit from other accredited secondary schools, colleges, and universities.
- ▶ High school correspondence courses from accredited institutions.
- ▶ Training completed during military service. (Note: A veteran or service person may be granted credit for courses completed in service schools or for ratings earned while in service as recommended in "A Guide to the Evaluation of Educational Experiences in the Armed Services" issued by the American Council on Education.)
- ▶ Work achievement having educational value. (Note: Elective credits may be granted on the basis of verified work achievement resulting in knowledge or skills comparable to those acquired in a secondary school class. In some cases, an achievement test may be required in addition to verification.) The granting of such credit is based upon the following basic principles:
  - ▶ Credit for work achievement after the age of 18 may be granted toward graduation requirements.
  - ▶ Credit will be granted on the basis of the length of full-time employment (10 elective credits per year or 5 credits for 6 months). No other divisions will be made to account for odd months above 12. No credit will be granted for work achievement in excess of 12 months if there is no change in the type of work performed. Exceptions may be made if the type of work is progressively more difficult, justifying a division into beginning and advanced courses.
  - ▶ A person must be employed for at least one year with the same firm before work achievement may be considered for credit, and they must spend at least 6 months at each type of work for which credit is requested. For example, if a person were employed by the same firm as a machinist for 9 months and a draftsman for 5 months, they would be eligible to apply for five work achievement elective credits as a machinist, but they would not be eligible to receive credit for the work as a draftsman.
  - ▶ Credit may be granted only for vocational experience in which wages or salary was received. A person who is self-employed and thereby earning a livelihood may be regarded as employed with pay.
  - ▶ Vocational training. Five elective credits will be granted for every 48 hours of vocational training. A certificate of completion stating the number of course hours must be submitted.

The granting of credits does not constitute satisfaction of any of the competency requirements. In addition, no more than 40 elective credits will be granted for military training or ratings and/or work achievement.

## Demonstration of Proficiency

Students must demonstrate proficiency in English and mathematics. Proficiency may be demonstrated by successful

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completion of specified courses or approved performance levels on a variety of standardized assessments.

## Scholarship and Attendance

Satisfactory progress must be demonstrated by satisfactory achievement (scholarship) and attendance. More than six hours of absence from class may result in the student being dropped from the class.

## Course Repetition

Credit may not be earned through repetition of a course for which credit has previously been granted unless specifically stated in the course description. (Note: All HSENG and HSMTH courses may be repeated one time each for credit.)

## Residency Requirement

Students must successfully complete 20 credits in residence at MiraCosta College. Students may earn residency by completing four adult high school courses, or six college credits at MiraCosta College, or any combination of credit and noncredit courses that is the equivalent of 20 high school credits.

## Diploma Conferred

A high school diploma is conferred upon completion of the diploma requirements.

## Contact Information

**Chair:** Julie Cord

**Dean:** John Makevich

<https://www.miracosta.edu/academics/continuing-education/adult-high-school/index.html>

**Department:** Adult High School

**Office:** Community Learning

Center, 1831 Mission Avenue,  
Oceanside, CA 92058,  
760.795.8710

## Full-Time Faculty

Julie Cord

Erica Duran

Angela Senigaglia

## Adult High School Diploma

MiraCosta College's Adult High School prepares adults for higher education and increased employability in a supportive, challenging, and accessible environment that respects and honors diversity. Upon entrance into the program, each student's previous coursework, skill levels, and academic and/or professional goals are determined in order to provide an individualized plan for goal attainment. Students must earn a total of 160 credits, with at least 20 credits in residence at MiraCosta College. Students may earn residency by completing four adult high school courses, or six college credits at MiraCosta College, or any combination of credit and noncredit courses that is the equivalent of 20 high school credits.

## Program Student Learning Outcomes

Upon completion of this program, students will be able to do the following:

- ▶ Obtain an awareness of, and preparation for, higher education.
- ▶ Acquire improved workplace skills for employability.
- ▶ Demonstrate improved self-efficacy.

- ▶ Model a sensitivity, to and awareness of, diverse perspectives.

## Diploma Requirements

Natural Sciences (20 Credits) 20

### Physical Sciences

HSSCI 11	Physical Science 1 - Chemistry
HSSCI 12	Physical Science 2 - Physics
HSSCI 41	Physical Science 3 - Environmental Science

### Life Sciences

HSSCI 21	Life Science 1A - Cell Biology
HSSCI 23	Life Science 1B - Animal Biology
HSSCI 22	Life Science 2 - Human Anatomy and Physiology
HSSCI 51	Life Science 3 - Introduction to Biotechnology

Students must successfully complete courses in both Life and Physical sciences.

Social and Behavioral Sciences (30 Credits) 30

HSAGT 10	American Government
HSECN 10	Economics
HSUSH 11	United States History 1
HSUSH 12	United States History 2
HSWHG 11	World History and Geography 1
HSWHG 12	World History and Geography 2

Humanities (10 Credits) 10

HSIFA 11	Introduction to Fine Arts 1 - The History and Development of Theatre and Dance
HSIFA 12	Introduction to Fine Arts 2 - The History and Development of Art and Music
HSIFA 13	Beginning Film and Digital Media Production
HSIFA 14	Introduction to Fine Arts 3: The History of Film

English (30 Credits)\* 30

HSENG 17	Basic Skills: Reading and Study Strategies
HSENG 16	Academic Grammar (College Preparation)
HSENG 22	Academic Writing: The Five Paragraph Essay (College Preparation)
HSENG 25	Academic Writing: The Research Paper (College Preparation)
HSENG 15	Everyday Grammar (Career Preparation)
HSENG 21	Everyday Writing: The Single Paragraph (Career Preparation)
HSENG 23	Everyday Writing: Reports and Projects (Career Preparation)

1. The California Ed Code requires students to demonstrate proficiency in reading and writing through the completion of coursework at a level generally accepted as appropriate for award of a high school diploma.
2. Students may demonstrate reading and writing proficiency through the successful completion of a local English course(s); an equivalent graduation-level English course from another high school; or a college-level English course.

Mathematics (20 Credits) \*\* 20

HSMTH 11	Basic Skills Math 1
HSMTH 12	Basic Skills Math 2
HSMTH 13	Basic Skills Math 3
HSMTH 20	Algebra Essentials 1A
HSMTH 21	Algebra Essentials 1B

1. The California Ed Code requires students to demonstrate proficiency in the operations of mathematics as well as its practical applications through the completion of coursework at a level generally accepted as appropriate for award of a high school diploma.

2. Students may demonstrate mathematics proficiency through the successful completion of local math course(s); an equivalent graduation-level math course from another high school; or a college-level math course.

Electives (50 Credits) 50

NCABE 11	Mentorship for Student Success
HSETHN 10	Introduction to Ethnic Studies
HSWFP 11	Applied Computer Skills
NCENG 30	Sentence Crafting
NCESL 30	Noncredit ESL Conversation Skills for Intermediate Students
NCESL 33	Reading and Writing for Intermediate Level Students
NCESL 40	English as a Second Language, Level 6
NCESL 45	English as a Second Language, Level 7
NCESL 49	Grammar for Multilingual Students
NCESL 53	Advanced Grammar for Writing for Multilingual Students
NCESL 55	Introduction to Academic Writing for Students from Multilingual Backgrounds
NCESL 57	Introduction to College Composition for Students from Multilingual Backgrounds
NCESL 62A	Workplace English as a Second Language (Intermediate)
NCESL 62B	Workplace ESL (Advanced)
NCESL 62C	Bridge to College and Career ESL (Advanced)
NCESL 65	English as a Second Language, Citizenship

NCESL 82 Computers and Digital Literacy (CDL) for ESL Students (Intermediate/Advanced Level)

NCABE 92 High School Equivalency Preparation

1. Students may also earn elective credits for successful completion of other noncredit, high school or college-level courses not already used to satisfy discipline-specific credit requirements for our diploma. Students untested in this option should work directly with a noncredit counselor to determine eligible courses and credits.

2. Other validated high school or college-level skills and knowledge gained outside the classroom may also be eligible as determined through the Noncredit Credit for Prior Learning Process. Students interested in this option should work directly with a noncredit counselor or Admissions & Records staff member.

**Total Hours 160**

- \* All HSENG courses may be repeated one time for credit.
- \*\*All HSMTH courses may be repeated one time for credit. Students must successfully earn 5 credits in algebra or the equivalent to meet the mathematics proficiency required for the high school diploma.

## Certificates

### Certificate of Competency Basic Education for Academic or Workforce Preparation

This certificate is designed to help students review foundation skills in reading, writing, grammar, and mathematics. It demonstrates achievement in a set of proficiencies that help students prepare for their next educational or career-related goal. Students earn this certificate by successfully completing a combination of three non-credit courses that must include one noncredit mathematics course and two noncredit English courses.

#### Program Student Learning Outcomes

Upon completion of this program, students will be able to do the following:

- ▶ Obtain an awareness of, and preparation for, higher education.
- ▶ Acquire improved workplace skills for employability.

#### English Courses

Students are required to take at least one of the following English courses.

#### Academic Preparation

HSENG 16 Academic Grammar (College Preparation)

or NCENG 16 Academic Grammar (College Preparation)

HSENG 22 Academic Writing: The Five Paragraph Essay (College Preparation)

or NCENG 22 Academic Writing: The Five Paragraph Essay (College Preparation)

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HSENG 25	Academic Writing: The Research Paper (College Preparation)
or NCENG 25	Academic Writing: The Research Paper (College Preparation)
NCENG 30	Sentence Crafting
<b>Career Preparation</b>	
HSENG 15	Everyday Grammar (Career Preparation)
or NCENG 15	Everyday Grammar (Career Preparation)
HSENG 17	Basic Skills: Reading and Study Strategies
or NCENG 17	Basic Skills: Reading and Study Strategies
HSENG 21	Everyday Writing: The Single Paragraph (Career Preparation)
or NCENG 21	Everyday Writing: The Single Paragraph (Career Preparation)
HSENG 23	Everyday Writing: Reports and Projects (Career Preparation)
or NCENG 23	Everyday Writing: Reports and Projects (Career Preparation)
<b>Math Courses</b>	
Students are required to take at least one of the following math courses.	
HSMTH 11	Basic Skills Math 1
or NCMTH 11	Basic Skills Math 1
HSMTH 12	Basic Skills Math 2
or NCMTH 12	Basic Skills Math 2
HSMTH 13	Basic Skills Math 3
or NCMTH 13	Basic Skills Math 3
HSMTH 20	Algebra Essentials 1A
or NCMTH 20	Algebra Essentials 1A
HSMTH 21	Algebra Essentials 1B
or NCMTH 21	Algebra Essentials 1B
<b>Elective Courses</b>	
Students are required to take at least one of the following elective courses.	
HSWFP 11	Applied Computer Skills
NCAHM 50	Introduction to Affordable Housing Management
NCBOT 25	Basic Office Skills
NCHORT 10	Introduction to Sustainable Horticulture
NCVOC 31	Beginning Microsoft Word
NCVOC 33	Basic Google Apps
NCVOC 39	Beginning Microsoft Excel
NCWFP 21	Employability Skills
NCWFP 40	Teacher's Aide Training - The Basics
Total Courses Required:	3

### Certificate of Competency

#### High School Equivalency Preparation

This certificate is for students who have completed coursework in preparation for a high school equivalency exam. In addition to the exam prep course, students will have successfully completed subject-specific courses that provide a more

comprehensive review of the English, math, or computer skills needed for academic, professional, and/or personal success.

#### Program Student Learning Outcome

Upon completion of this program, students will be able to earn a passing score on all components of a high school equivalency exam.

#### Required courses:

Students must earn a "P" or passing grade in the following course:

NCABE 92	High School Equivalency Preparation
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#### Electives:

HSWFP 11	Applied Computer Skills
NCABE 11	Mentorship for Student Success

#### Reading Preparation

HSENG 17	Basic Skills: Reading and Study Strategies
or NCENG 17	Basic Skills: Reading and Study Strategies

#### Writing Preparation

HSENG 22	Academic Writing: The Five Paragraph Essay (College Preparation)
or NCENG 22	Academic Writing: The Five Paragraph Essay (College Preparation)

#### Mathematics Preparation

HSMTH 12	Basic Skills Math 2
or NCMTH 12	Basic Skills Math 2

#### Total Courses Required:

2

## Courses

### HSAGT 10: American Government

High School Credits: 5

Prerequisites: None

Advisory: Students are advised to take HSENG 25, HSUSH 11, and HSUSH 12 before taking this course and HSENG 40 before or concurrently with this course.

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the institutions of American government. Topics include the principles and moral values of American government, the rights and obligations of democratic citizens, the fundamental values and principles of civil society, the roles of the three branches of government, landmark Supreme Court interpretations of the Constitution, elective offices, powers and procedures of government, and comparison of American government to other systems of government in the world today. This course satisfies the American government requirement for graduation.

**HSECN 10: Economics**

High School Credits: 5

Prerequisites: None

Advisory: Students are advised to take HSENG 25, HSUSH 11, HSUSH 12, HSWHG 11, and HSWHG 12 before taking this course and HSENG 40 before or concurrently with this course.

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the basic economic principles of microeconomics and macroeconomics. Topics include international economics, comparative economic systems, measurement, and methods. This course satisfies the economics requirement for graduation.

**HSENG 15: Everyday Grammar (Career Preparation)**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

In this course, students review grammar with a focus on the skills and tools that can be used to enhance real-world and workplace writing. Grammar principles focus on revision opportunities in personal and professional writing and the grammar mechanics of emails, letters, and other real-world documents. This course is ideal for students who want to review or practice personal and professional writing skills that can be used in everyday life. (May be repeated one time.)

**HSENG 16: Academic Grammar (College Preparation)**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

In this course, students review grammar with a focus on the skills and tools that can be used to enhance formal academic writing. Grammar principles focus on opportunities for essay revision and grammar mechanics for MLA and APA citation as well as common essay writing and revision tools. This course is ideal for students who want to review or practice the academic writing skills that will prepare them for college. (May be repeated time.)

**HSENG 17: Basic Skills: Reading and Study Strategies**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: ALTERNATING TERMS

This course helps students improve their reading comprehension and vocabulary in various academic and career-related subjects. It emphasizes fundamental reading comprehension skills, real-world, workplace, and academic vocabulary enhancement, and effective study habits. (May be repeated one time.)

**HSENG 21: Everyday Writing: The Single Paragraph (Career Preparation)**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

In this course, students review different types of simple real-world and workplace documents. Reading assignments include texts such as manuals, directions, short letters, and emails. Writing assignments focus on short written responses, such as personal and professional emails and workplace documents like cover letters. This course is ideal for students who want to review or practice personal and professional writing skills that will prepare them for everyday life as well as current and future jobs. (May be repeated one time.)

**HSENG 22: Academic Writing: The Five Paragraph Essay (College Preparation)**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

In this course, students review standard paragraphs and essays and the tools that can be used to enhance formal academic writing. Reading assignments include fiction and non-fiction texts from diverse authors. Writing assignments focus on writing and revision opportunities in crafting a standard five-paragraph essay. This course is ideal for students who want to review or practice the academic writing skills that will prepare them for college. (May be repeated one time.)

**HSENG 23: Everyday Writing: Reports and Projects (Career Preparation)**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

In this course, students review different types of advanced real-world and workplace documents. Reading assignments include texts such as Pew research, home repair estimates, and academic or medical reports and evaluations. Writing assignments focus on longer written responses, such as personal and professional project proposals and career/vocation-specific writing. This course is ideal for students who already have some personal and professional writing experience or knowledge, but who desire more review and practice to enhance those skills for everyday life as well as for current and future jobs. (May be repeated one time.)

## **HSENG 25: Academic Writing: The Research Paper (College Preparation)**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

In this course, students review different academic essay formats and the tools that can be used to enhance formal academic writing. Reading assignments include college-level texts from diverse authors. Writing assignments focus on writing and revising opportunities in crafting an academic research essay. This course is ideal for students who want to review or practice the academic writing skills that will prepare them for college. (May be repeated one time.)

## **HSETHN 10: Introduction to Ethnic Studies**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to ethnic studies as an academic discipline. Reading and writing assignments center on an interdisciplinary study of indigeneity, race, ethnicity, gender, and sexuality, with a focus on the experiences of people of color and other historically marginalized groups in the United States. The course provides an overview of the effects of historical and institutional racism and discrimination against African Americans, Native Americans, Asian Americans and Pacific Islanders, Latinx/Chicanx, and others through their perspectives. The course helps students explore their own ethnic identity/identities, and those of their peers, in an effort to center community cultural wealth, identity, and agency in both learning and social spaces.

## **HSIFA 11: Introduction to Fine Arts 1 - The History and Development of Theatre and Dance**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: ALTERNATING TERMS

This course introduces students to the history of theatre and dance from its prehistoric beginnings to the present, with an emphasis on the Renaissance through the twentieth century. Topics include a review of the prehistoric origins of dance, dance-drama, and theatre from countries all over the world. Students must complete Fine Arts I and Fine Arts II (or comparable courses) to fulfill the requirement for graduation. This course aligns with Visual and Performing Arts Content Standards.

## **HSIFA 12: Introduction to Fine Arts 2 - The History and Development of Art and Music**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: ALTERNATING TERMS

This course introduces students to the history of art and music from its prehistoric beginnings to the present. Topics include the prehistoric origins of art, architecture, and music of the late 19th through the mid-20th centuries and up to contemporary art and music. Students must complete Fine Arts I and Fine Arts II (or comparable courses) to fulfill the graduation requirement. This course aligns with Visual and Performing Arts Content Standards.

## **HSIFA 13: Beginning Film and Digital Media Production**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course offers a basic introduction to the video production environment. Students work with a team on a project through the pre-production, shooting, and post-production phases of narrative storytelling for the screen. Students critique professional and peer work while using appropriate film and video vocabulary. Students also learn basic operational skills for the video camera and editing system so that they can demonstrate their understanding of film techniques while creating video projects. Instruction covers film production, script writing, editing, and critical thinking. (May be repeated once.)

## **HSIFA 14: Introduction to Fine Arts 3: The History of Film**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring

In this history of film class, students view, study, discuss, and write about films from various genres and different time periods. They develop and demonstrate technological, cultural, and media literacy skills as well as critical thinking and problem-solving skills that will serve them well in the real world. This course presents students to the basics of film analysis, cinematic elements, genre, and narrative structure. Students obtain the skills to identify, analyze, and appreciate film as an art and entertainment form, and they learn and become aware of films from a diverse group of writers and directors.

## **HSMTH 11: Basic Skills Math 1**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

Basic Skills Math 1 is designed to meet the basic skills mathematics improvement needs of students for a variety of purposes: to meet pre-collegiate requirements; to meet mathematics unit requirements for an adult high school diploma; and/or to help prepare for examinations such as the GED. Topics include the study of whole numbers, fractions, and decimals. (This course may be repeated once.)

**HSMTH 12: Basic Skills Math 2**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

Basic Skills Math 2 is designed to meet the basic skills mathematics improvement needs of students for a variety of purposes: to meet pre-collegiate requirements; to meet mathematics unit requirements for an adult high school diploma; and/or to help prepare for examinations such as the GED. Topics include the study of percents, measurement, probability, and statistics. (This course may be repeated once.)

**HSMTH 13: Basic Skills Math 3**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

Basic Skills Math 3 is designed to meet the basic skills mathematics improvement needs of students for a variety of purposes: to meet pre-collegiate requirements; to meet mathematics unit requirements for an adult high school diploma; and/or to help prepare for examinations such as the GED. Topics include the study of elementary algebra and geometry. (This course may be repeated once.)

**HSMTH 20: Algebra Essentials 1A**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is intended for students with little or no previous algebra experience. Topics include the real number system, operations with algebraic expressions, linear equations and inequalities, graphing linear equations in two variables, and solving systems of linear equations. (May be repeated one time.)

**HSMTH 21: Algebra Essentials 1B**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: ALTERNATING TERMS

This course is intended for students with some beginning algebra experience. Topics include exponents and polynomials, factoring, an introduction to quadratic equations, rational expressions and equations, and solving applied problems. (May be repeated one time.)

**HSSCI 11: Physical Science 1 - Chemistry**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: To be arranged

This introductory chemistry class introduces students to the study of matter and changes in matter. Topics include states of matter, chemical and physical changes, the development of the atomic theory, the periodic table and its use, writing chemical formulas, balancing chemical equations, types of chemical reactions, and an introduction to organic chemistry.

**HSSCI 12: Physical Science 2 - Physics**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: To be arranged

This introductory physics course is non-algebra based and introduces students to the basic concepts of physics. Students learn to solve basic physics problems using metric measurements. Topics include motion, forces, forces in fluids, work, machines, energy, thermal energy, and heat.

**HSSCI 21: Life Science 1A - Cell Biology**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: To be arranged

This introductory biology course covers the basics of cell biology, including cellular organization, cellular transport systems, cellular metabolism, and the requirements for life. The course also introduces genetics, including the structure and functions of DNA, Mendelian genetics, probability, and cellular reproduction.

**HSSCI 22: Life Science 2 - Human Anatomy and Physiology**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: To be arranged

This course in human anatomy and physiology covers each of the eleven organ systems of the human body. It emphasizes learning the structures of each system along with their functions. The course also provides a more in-depth study of the physiology of cellular respiration, homeostasis, immunology, reproduction, and growth and development.

**HSSCI 23: Life Science 1B - Animal Biology**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This introductory biology course covers the basics of animal biology. Topics include the scientific method, the characteristics of living things, evolution and evolutionary relationships among species, and fossils.

**HSSCI 41: Physical Science 3 - Environmental Science**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This introductory environmental science course covers the basics on human population growth, natural resources, and ecosystem dynamics. Through the study of these topics, students develop an understanding of how interdependent life on Earth is and the cross-cutting relationships of the fields of science, such as chemistry, physics, and biology.

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### **HSSCI 51: Life Science 3 - Introduction to Biotechnology**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This biotechnology science course introduces the use of living organisms in industrial, agricultural, medical, and other technological applications. Through the study of these topics, students obtain a comprehensive introduction to the scientific concepts and laboratory research techniques currently used in the field of biotechnology.

### **HSUSH 11: United States History 1**

High School Credits: 5

Prerequisites: None

Advisory: Students are advised to have completed HSENG 23, HSWHG 11, and HSWHG 12 prior to taking this course.

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to the major turning points in United States history from the nation's beginnings to the Great Depression with an emphasis on the twentieth century. Topics include a review of the nation's beginnings, the impact of the Enlightenment, industrialization, the impact of religion, World War I, the U.S. as a world power, the 1920s, and the Great Depression. Students must complete both HSUSH 11 and HSUSH 12 to fulfill the United States history requirement for graduation.

### **HSUSH 12: United States History 2**

High School Credits: 5

Prerequisites: None

Advisory: Students are advised to have completed HSENG 23, HSUSH 11, HSWHG 11, and HSWHG 12 prior to taking this course.

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the major turning points in United States history from World War II to the present day with an emphasis on the twentieth century. Topics include World War II, post-World War II economic and social transformation, U.S. foreign policy since World War II, civil rights and voting rights, and major social and domestic policy issues in contemporary American society. Students must complete both HSUSH 11 and HSUSH 12 to fulfill the United States history requirement for graduation.

### **HSWFP 11: Applied Computer Skills**

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring

In this course, students develop essential computer and information technology skills for workplace and educational success. Students develop skills in using word processing software; access, evaluate, and utilize information resources using the Internet and Web browsers; and get experience with a learning management system. Previous experience using computers, or completion of NCVOC38 Computer Basics/Keyboarding class, is recommended.

### **HSWHG 11: World History and Geography 1**

High School Credits: 5

Prerequisites: None

Advisory: Students are advised to have completed HSENG 22 and a basic computer literacy course prior to taking World History 1.

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to world history, culture, and geography from the late eighteenth century to the conclusion of World War I. Topics include Greco-Roman and Judeo-Christian roots of Western political ideas, Democratic Revolutions, Industrial Revolution, Imperialism, and World War I. Students must complete both HSWHG 11 and HSWHG 12 to fulfill the world history requirement for graduation.

### **HSWHG 12: World History and Geography 2**

High School Credits: 5

Prerequisites: None

Advisory: Students are advised to have completed HSENG 22, HSWHG 11, and a basic computer literacy course prior to enrolling in this course.

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to world history, culture, and geography from the conclusion of World War I through the present. Topics include Totalitarianism, World War II, international developments after World War II, and nation-building in the contemporary world. Students must complete both HSWHG 11 and HSWHG 12 to fulfill the world history requirement for graduation.