

Kihei Charter High School Course Descriptions

2023 - 2024

* = Required to graduate

ADVISORY

Advisory courses at KCS aim to provide students with academic and social support, mentoring, and guidance. Additionally, advisory serves as the core tool for establishing the school's mission, vision, and values, as well as integrating 21st-century skills into all aspects of learning. Through frequent grade checks and formal academic conferencing, students also learn to monitor and reflect upon their academic progress.

ADV9 9th Advisory *

Gr 9 .5 credit/year

9th grade advisory helps students explore the question, "Who Am I?" Students develop their KCS portfolios, identify and create S.M.A.R.T goals, develop healthy strategies to manage stress and succeed in school, and engage in team-building activities to build a positive school culture.

ADV10 10th Advisory *

Gr 10 .5 credit/year

10th-grade advisory helps students explore the question, "Where Am I From?" Students develop a more holistic understanding of where they and their peers are coming from, facilitating empathy and broader perspectives. Positive choice-making and healthy relationship-building are also emphasized.

ADV11 11th Advisory *

Gr 11 .5 credit/year

11th-grade advisory helps students explore the question, "Who Am I Becoming?" Students continue to deepen their connection to the school community by engaging in leadership and service. College and career exploration, as well as test preparation, are also emphasized. 11th Advisory aligns with students' Junior Seminar course.

ADV12 12th Advisory *

Gr 12 .5 credit/year

12th-grade advisory helps students explore the question, "Where Am I Going?" Students receive support as they begin to make post-high school college and career plans and prepare for their end-of-year graduation defense. Students complete their online high school portfolios, which are presented in front of a panel of professionals during their defense. 12th Advisory aligns with students' Senior Seminar course.

ART

ART100 Fundamentals of Art and Design

Gr 9-12 1 credit/year

Students develop an awareness and appreciation of the visual experience, art history, and use 21st century skills to create a variety of 2D and 3D media: drawing, painting, collage, computer design and printmaking. Students will be expected to research and talk about art history and create a portfolio of their work at the end of the year.

ART200 Advanced Art and Design

Gr 9-12 1 credit/year

An advanced level course in drawing and painting with an emphasis on developing a deeper understanding of art and art history. The course concentrates on applying the elements of art and principles of design in a variety of media. Studio experiences include drawing, painting, illustration, digital media and printmaking projects. Each student will demonstrate progress over time by developing a body of work and organizing a portfolio.

ART300 Media Studies and Yearbook

Gr 11-12 0.5 credit/year

Media Studies and Yearbook is a one-year elective that produces the school yearbook. Members of the staff are expected to have a high level of maturity and the ability to work independently. Students will develop skills in graphic design, photography, journalism, marketing, budget management, copywriting, and project management. Students will be expected to develop the skills necessary to effectively produce the yearbook. A strong commitment to meeting deadlines is required, including any necessary weekend or after-school work.

CIVIC LITERACY AND ENGAGEMENT

Civic literacy addresses the skills needed for citizenship development as well as the connections to existing standards in reading, writing, speaking, listening, and critical thinking skills. As graduation requirements, civic literacy and engagement courses shape students into knowledgeable, caring, connected community members and teach the value of service.

COMMSVC1 Sophomore Seminar/Community Engagement *

Gr 10 1 credit/year

Students engage in service and community-based learning projects while exploring the value of service and the positive difference they can make in their immediate communities.

ENGINEERING

EN101 Engineering and Fabrication 1 *

GR 9 .5 credit/year

EN201 Engineering and Fabrication 2 *

Gr 10 .5 credit/year

Prerequisites: Engineering and Fabrication 1

EN300 Advanced Engineering

Gr 11-12 .5 credit/year

LANGUAGE ARTS

ELA100 English 9: Communication Fundamentals *

Gr 9 1 credit/year

Communication Fundamentals introduces the use of research methods, including the use of primary and secondary sources and how to effectively evaluate the credibility of sources. Students will learn how to summarize, paraphrase, and quote information, as well as how to properly cite sources. Students will use research skills to develop arguments in persuasive writing, how to form and defend a thesis, and how to prepare for a debate. Students will also broaden their oral communication skills by participating in a debate, giving presentations, as well as working in cooperative groups, and participating in classroom discussions. enhance their evaluation skills by determining the credibility and accuracy of sources.

ELA200 English 10: Oral/Written Communication

Gr 10 1 credit/year

Students explore perspectives and points of view by comparing and contrasting specific topics written by different authors, including key texts from American literature. Students use their knowledge of perspective and text structure to write informative essays, persuasive speeches, and creative writing assignments. Students develop oral communication skills through presentations, cooperative group work, and classroom discussions. Students also learn how to analyze and critique primary and secondary sources to use within research and understand the limitations of both kinds of sources.

Prerequisite: English 9

ELA300 English 11: Expository Writing

Gr 11 1 credit/year

Students further develop their reading, writing, research, and presentation skills by exploring global literary and informational texts. Through an exploration of multi-genre texts, students produce clear, thoughtful, and coherent writing that is appropriate to the task, purpose, and audience. Students also gain an advanced understanding of how literary devices such as satire, irony, and figurative uses of language give power to rhetorical speech and writing. Through collaborative and individual work, students use technology to produce and publish their writing, as well as to respond to feedback and new information.

Prerequisite: English 10

ENG400 English 12: Academic Writing

Gr 12 1 credit/year

This course will focus on producing quality writing that effectively communicates to specific audiences in a professional environment. There will be an emphasis on the use of clear language and composition that impacts the reader by being easily understood by the intended audience. The writing may be for analysis, self-expression, and information sharing, persuading, or stimulating debate. There will be an emphasis on drafting, editing, and revising text for purpose, style, clarity, and impact. Students will be exposed to different types of writing projects to address individualized college and career readiness goals. Writing styles include Academic writing for college reports; professional writing to the standards and styles demanded by professional situations; and creative expressive writing.

MATHEMATICS

MA100 Algebra I *

Gr 9 1 credit/year

Algebra I is a comprehensive course that includes topics such as operations in the real number system, solving equations and inequalities, proportional reasoning, equations of lines and graphing, linear functions, absolute value functions, solving systems of linear equations, laws of exponents, polynomials and factoring, simplifying and solving complex fractions and radicals, quadratic functions, and transformations of functions. Algebraic thinking skills are developed through a variety of classroom activities, hands-on projects, real-world problem solving, class discussions, note taking, and utilizing technology.

MA200 Geometry *

Gr 10 1 credit/year

This course formalizes what students have learned about geometry in the middle grades, with a focus on reasoning and making mathematical arguments. Students develop geometric reasoning skills, such as analyzing rigid motions, completing formal constructions, and writing proofs. Some of the topics in this course include proving circle, triangle and polygon properties, transformations, area, the Pythagorean Theorem, volume, similarity, trigonometry, and logic.

Prerequisite: Algebra I

MA300 Math Basics

Gr 9-12 1 credit/year

This course serves as a bridge to help students master pre-Algebra I concepts before entering Algebra I. It is designed to help students review pre-Algebra concepts to prepare them for the rigor of Algebra I, which is a required course to graduate.

MA301 Algebra II

Gr 11-12 1 credit/year

This course focuses on the four critical areas of the Common Core model pathway for Algebra II: functions, polynomials, periodic phenomena, and collecting and analyzing data. Topics include solving linear inequalities and absolute value equations, direct variation, linear functions, piecewise functions, and linear modeling. Families of graphs and systems of equations lead into solving quadratic equations and

modeling quadratic functions and complex numbers, followed by solving and graphing polynomial functions, rational and radical functions, exponential and logarithmic functions, and basic trigonometry. The Common Core practice standards are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically.

Prerequisites: Algebra I, Geometry

MA302 Consumer Math

Gr 11-12 0.5 credit/semester

In Consumer Math, students study and review arithmetic skills they can apply to their personal lives and future careers. This course focuses on topics related to personal finance, budgeting, taxes, and business entrepreneurship.

MA400 Precalculus

Gr 11-12 1 credit/year

This course is designed to cover topics in Algebra ranging from polynomial, rational, logarithmic and exponential functions to conic sections, vectors and matrices. It is also designed to cover topics in discrete math, probability, sequences and series. Trigonometry concepts such as Law of Sines and Cosines are introduced. Students begin learning calculus concepts such as limits, derivatives, and integrals. This class is important for any student planning to take college pre-calculus or calculus courses.

Prerequisite: Algebra II

PHYSICAL EDUCATION AND HEALTH

HEALTH9 Health *

Gr 9 1.0 credit/year

Health classes are designed to assist students in obtaining accurate information, developing lifelong positive attitudes and behaviors, and making wise decisions related to their personal health. The studies will include personal and community health; mental, emotional, and social health; injury prevention and safety; nutrition and physical activity; alcohol, tobacco, and other drugs; growth, development, and sexual health. Central themes are the acceptance of personal responsibility for lifelong health, respect for and promotion of the health of others, an understanding of the process of growth and development, and informed use of health-related information, products, and services.

PE100 Physical Education *

Gr 9 1.0 credit/year

Physical Education classes are designed to practice and develop skills in activities that will help students maintain fitness throughout their lives. We will explore fitness activities designed to improve all areas of fitness. Our goal is that by the end of the year is to improve students' baseline fitness levels through regular cardiovascular endurance training, muscular endurance training, and activities designed to increase current levels of fitness. Students will be introduced to life-long activities designed to increase their likelihood of exercising in the future.

PROJECTS AND PERSONAL GROWTH

JR101 Junior Seminar *

Gr 11 1 credit/year

Junior Seminar is designed to develop students' independent project skills, emphasizing in-depth application of 21st Century Skills. Students complete a semester-long independent project that is meaningful to their lives and interests. The project challenges students to refine their academic research and writing, peer feedback skills, collaborative and interpersonal skills, and self-direction skills. In the second semester, students engage in standardized test prep, college and career readiness activities, and explore internship opportunities. All students end the course with an internship plan, which is carried out over the summer.

INT400 Internship *

Gr 11/12 .5 credit/60 hours

During the summer, in between their junior and senior years, students complete a 60-hour internship with which they develop professional skills, interests, and a level of comfort in working with adults and advocating for themselves in the world outside of school. The internship experience should connect and end with students' senior projects. Students must complete all required documentation in order to receive credit.

SR100 Senior Seminar *

Gr 12 1 credit/year

Senior Seminar further develops students' independent project skills and academic/professional writing skills. Students write an in-depth project proposal to create a product or service that displays their learning and development of 21st Century Skills. Students present their project to a variety of audiences, including their peers, lower-division students, their community, and a panel of professionals during their graduation defense. This course prepares students for their graduation defense, in which students present for approximately 1 hour to a panel of teachers, administrators, and board members. Family members and student mentors are also encouraged to attend. The Senior Graduation Defense is a major component of the Kihei Charter graduation process.

ADV301 SAT/ACT Prep and College Readiness

Gr 11-12 0.5 credit/year

This course is designed to help 11th and 12th grade prepare for the SAT and ACT tests. Students review both verbal and mathematical skills required for these assessments, as well as practice test-taking strategies specific to the tests.

SCIENCE

SCI102 Biology *

Gr 9 1 credit/year

Biology provides an overview of the living world. Topics include the central tenets of scientific thought and exploration, experimental design, cell biology, genetics, evolution, anatomy, and ecology. The course

is updated annually to include recent breakthroughs in scientific research. Concepts are explored through reading, online assignments, current events, lectures, and student-driven projects. Strong emphasis is placed on hands-on laboratory activities and students are expected to be active participants in class discussions and activities.

SCI101 Physical Science

GR 10 1 credit/year

Physical Science introduces the varied disciplines in the field of science, including chemistry, earth and space sciences, and physics. This course follows the Next Generation Science Standards (NGSS) in order to investigate the various disciplines of science and how they relate to our lives. Students learn aspects of each discipline and how the disciplines are interrelated. Students use their knowledge to tackle real-world problems here on Maui and investigate ways Maui and Hawaii can become more sustainable using the many tools science provides.

SCI200 Chemistry

Gr 10-12 1 credit/year

This course provides an overview of the concepts of chemistry. Topics include the central tenets of scientific thought and exploration, experimental design, properties of matter, scientific measurement, atomic structure, electron configuration, the periodic table, ionic and covalent bonding, chemical names and formulas, chemical quantities and reactions, stoichiometry, states of matter, the behavior of gasses, reaction rates and equilibrium, acids and bases, oxidation-reduction reactions, nuclear chemistry, and an introduction to organic chemistry. Concepts are explored through reading, assignments, lectures, laboratory activities, and student-driven projects. The Common Core practice standards are embedded throughout the course in a way to encourage problem-solving, critical thinking, and active participation.

Prerequisite: Algebra 1.

SCI201 Ecology

Gr 10-12 1 credit/year

The Ecology curriculum is designed to continue student investigations of the life sciences that began in grades K-8 and provides students the necessary skills to be proficient in ecology. This curriculum includes more abstract concepts such as the interdependence of organisms, the relationship of matter, energy, and organization in living systems, the ecological conditions, the behavior of organisms, and biological evolution.

SCI301 Field Ecology

Gr 11-12 1 credit/year

Field Ecology is a field-based upper-division course that provides an in-depth study of Hawaiian ecosystems with an emphasis on the interactions between organisms and their environment. Topics covered include chemistry of life, natural selection, population and community ecology, biodiversity, and sustainability. Strong emphasis will also be placed on field science methods such as transect and quadrat sampling, designing scientific studies, and community service projects. Students enrolled in this course must be enthusiastic about hiking, snorkeling, and other outdoor activities that may require working in constantly changing conditions that may include heat, humidity, rain, insects, prickly plants, etc. Due to the experiential nature of this course, students who miss more than one class per quarter will not earn credit.

Prerequisites: Biology, Chemistry

SCI302 Marine Science

Gr 11-12 1 credit/year

This class will offer an exploratory look at the marine world, its ecosystem and contemporary issues surrounding it. This class will be a balance of science and social issues. The class will include field work and critical analysis of material.

Prerequisite: *Biology with a C or better.*

SCI400 Applied Physics

Gr 11-12 1 credit/year

Students learn basic physics concepts through several large inquiry projects. Small group projects typically include the design, construction and testing of parachutes, rockets, crash test vehicles, and catapults. A focus on scientific communication also requires students to design and execute controlled experiments, present original research, critique peer presentations, and write scientific reports in a format similar to peer-reviewed journals. Students will also be introduced to the abstraction bridge model.

Prerequisites: *Algebra 1, Geometry*

SOCIAL STUDIES

SS101 Social Studies 9 – Participation in Democracy *

Gr 9 .5 credit/semester

The course will explore the role of government including the purpose, principles and values of democracy and the historical impact of political institutions. The course will also explore the roles, rights (personal, economic, political) and responsibilities of American citizens. Students will demonstrate how to use their understanding and knowledge to engage in local communities, at the state and national level.

SS102 Social Studies 9 – Modern Hawaiian History *

Gr 9 .5 credit/semester

This course provides an overview of Hawaii's past and present history. Students will explore the historical, geographic, socio-political, economic, and multicultural development of modern Hawai'i 46 as well as study the effects of change on the people of Hawai'i. Course content begins with a look at pre-contact Hawaiian civilization, and the campaign of Kamehameha, then outlines the change brought about by the first foreigner to the islands, continuing on through statehood, and into modern movements and issues.

SS200 Social Studies 10 – U.S. History and Government

Gr 10 1 credit/year

U.S. History and Government 1 explores important historical events and topics of the 20th Century including immigration, urbanization, the Gilded Age and Progressive Era, World War I, and the conflicts and transitions of the 1920's. The course explores how each event and era influences laws, the power of governmental institutions, and society. Students will identify and be able to explain the role of citizens within each sector of society, including the contributions of minorities and women.

U.S. History and Government 2 explores the events leading up to The Great Depression and FDR's New Deal, World War II, The Cold War, the Civil Rights Era, and Contemporary Culture and Society. The course

explores how each event and era influences laws, the power of governmental institutions, and society. Students will identify and be able to explain the role of citizens within each sector of society, including the contributions of minorities and women.

SS300 Social Studies 11 – World History and Cultures

Gr 11 1 credit/year

This course examines the development and dynamics of human experience through the lens of world history, focusing on themes such as migration, imperialism, religion and culture, politics, and revolution. Students will keep up with international current events and work collaboratively to explore key themes in world history, write and create multimedia critical reflection pieces, and engage in discussion. Students will use their global awareness skills to understand how politics, economics, religion, social factors, intellectual ideas, and art consistently shape the human landscape of specific geographic regions. By critically and analytically examining decisions, events, and ideas of the past, students can make informed decisions about present-day issues, decisions, and events.

SS301 Global Cultures

Gr 11-12 0.5 credit/year

This upper-division social studies enrichment elective offers juniors and seniors an exploration of music, traditions, history, and geography around the world to help broaden their perspective and understanding.

SS302 History of Modern Music

Gr 11-12 0.5 credit/year

This upper-division social studies elective is an examination of the evolution of American music beginning with the tribes of the first peoples and continuing through to the popular music of today. In this course, students will gain an understanding and appreciation of the various musical styles that have shaped our culture by examining and listening to many of the most important composers, performers, instruments, theories, regions, and eras. Genres to be examined will include but are not limited to chant, folk, Hawaiian, classical, march, ragtime, Broadway, gospel, blues, jazz, rock n roll, soul, r&b, hip hop, punk, metal, pop, and EDM.

SS400 Social Studies 12 – Global Issues

Gr 12 1 credit/year

Global Issues is a social studies course that focuses on themes of culture, politics, economics, geography, and religion as they play out in an international context. Students are expected to gain an understanding of global interdependence by exploring topics such as globalization, international political and banking systems, resource management, and human rights from a variety of perspectives. Students will also be challenged to develop research and critical thinking skills related to the ways in which historical events have shaped the context of present-day cultural, economic, social, and environmental challenges. By exploring a variety of sources from diverse perspectives, students will develop their analytical, writing, and oral presentation skills while also sharpening their awareness of the world they live in.

SPANISH

SPAN100 Spanish 1

Gr 9-12 1 credit/year

Spanish 1 Students will learn about the rich Spanish culture and the geography of Spanish-speaking countries. Students will have a general introduction to the Spanish language: pronunciation, vocabulary, verb conjugation, and basic grammatical structures. Emphasis will be on listening, and speaking.

Students will have the ability to carry on a simple conversation. Students should be prepared to put in extra time memorizing and studying vocabulary and grammatical concepts.

SPAN200 Spanish 2

Gr 9-12 1 credit/year

Spanish 2 builds upon knowledge gained in Spanish 1. Students will broaden their knowledge of Spanish-speaking countries and cultures. This course will also reinforce the skills learned in Spanish I. Emphasis is on perfecting pronunciation, mastery of the basic grammatical structures, and increased communicative proficiency. Students will be expected to apply them in their writing and speaking.

Prerequisites: Spanish 1 or instructor approval

SPN300 Spanish 3

Gr 10-12 1 credit/year

Spanish 3 builds upon knowledge gained in Spanish 2. Students will broaden their knowledge of Spanish-speaking countries and cultures. This course will also reinforce the skills learned in Spanish 2. Emphasis is on perfecting pronunciation, mastery of the basic grammatical structures, and increased communicative proficiency. Students will be expected to apply them in their writing and speaking.

Prerequisites: Spanish 2 or instructor approval

TECHNOLOGY

TECH101 Computer Science Principles I *

Gr. 9 0.5 credit/semester

Computer Science Principles is an introductory-level course for students brand new to programming and computer science. In this course, you will learn problem-solving strategies, software design, and the foundations of computer science, using a combination of block programming (Scratch/Snap!) and Python programming. This course prepares students to think like scientists and solve real-world problems, skills that are important to every 21st-century citizen.

TECH201 Computer Science Principles II *

Gr. 10 0.5/credit/semester

Computer Science Principles II is a continuation of Computer Science Principles I. In this course, you will further your knowledge of programming concepts. This course prepares students to think like scientists and solve real-world problems, skills that are important to every 21st-century citizen.

Prerequisites: Computer Science Principles I or instructor approval

TECH300 Video Production/KCNN (formerly Media and Technology)

Gr. 11-12 0.5 credit/year

In this course, you will be thrown into the fire that video production is. Alone and in groups you will execute the lessons learned weekly and create content for KCNN, Kihei Charter's student news program. This course will set you up for success in entering into entertainment industry schooling and work. If you are interested in shooting videos, editing videos, creating visual content for social media, writing, producing, acting, directing, cinematography, and anything about the industry that entertainment has become then this course is for you.

TECH301 Information Technology Apprenticeship

Gr. 11-12 0.5 credit/year

In this service learning elective, students work side-by-side with KCS tech admin to help repair, build, improve, and learn more about technology services at KCS. Students will learn about careers in Information Technology while gaining valuable real-world problem-solving skills.

Kihei Charter High School Graduation Requirements - 2023-24

English Language Arts

4.0 credits

Social Studies

4.0 credits including:

- Modern History of Hawai'i (0.5 credit); and
- Participation in a Democracy (0.5 credit)

Mathematics

3.0 credits including:

- Algebra 1 (1.0 credit); and
- Geometry (1.0 credit); and
- Mathematics basic elective (1.0 credit):
Algebra II, Pre-Calculus, Consumer Math, Algebra Fundamentals

Science

3.0 credits including:

- Biology 1 (1.0 credit); and
- Science basic electives (2.0 credits):
Physical Science, Chemistry, Applied Physics, Field Ecology, Marine Biology

World Language OR Fine Arts

2.0 credits in one of the specified programs of study

Engineering and Technology

2.0 credits including:

- Engineering and Fabrication 1 (0.5 credit)
- Engineering and Fabrication 2 (0.5 credit)
- Computer Science 1 (0.5 credit)
- Computer Science 2 (0.5 credit)

Wellness Portfolio

2.0 credit including:

- PE (1.0 credit)
- Health (1.0 credit)

Advisory

2 credits including:

- Advisory 9 (0.5 credit)
- Advisory 10 (0.5 credit)
- Advisory 11 (0.5 credit)
- Advisory 12 (0.5 credit)

Projects and Personal Growth

3.5 credits including:

- | | |
|----------------------------------|-------------------------------|
| • Sophomore Seminar (1.0 credit) | • Junior Seminar (1.0 credit) |
| • Internship (0.5 credit) | • Senior Seminar (1.0 credit) |

Total 25.5 credits