



## Course Catalog

Shasta Charter Academy

530-245-2600

[www.sca-edu.org](http://www.sca-edu.org)

# Course Designation Descriptions

Basic	General	UC/CSU “a-g”
<p>In the core areas, we offer some courses designated as “basic.” These courses provide access to <u>content</u>, but at a remedial reading level. Basic courses do not satisfy admission requirements to either the California State University (CSU) or University of California (UC) systems. They do, however, meet CORE basic high school graduation requirements for those who want to enter community college (CC), trade school, or directly into the work force.</p>	<p>Some courses are not designated as “a-g” courses, but are also not remedial or “basic” in nature. These courses fit into the “general” category. Completion of these courses with a C or better develops a level of proficiency in the subject area and preparation for community college work. They do not, however, transfer to the University of California (UC) or California State University (CSU) systems. They do count toward CORE graduation requirements and are rigorous courses following state standards and guidelines.</p>	<p>These courses fill an “a-g” requirement for entering into a University of California (UC) or California State University (CSU) directly after high school. The course descriptions of these “a-g” courses have been submitted to the UC system and are approved as rigorous preparation for a 4-year university. It is important to follow the course description in order for these classes to be deemed “a-g” on the student transcript. To be eligible for the UC or CSU systems, a student must complete, with a grade of C or higher, a pattern of UC/CSU courses totaling 150 credits. 110 of these credits must be completed before a student’s senior year and the SAT must be taken before December of a student’s senior year.</p> <p><b>UC expects the following from non-site based independent programs providing “a-g” approved coursework:</b></p> <p>Students are expected to spend at least one hour per week, per “a-g” course engaged in interactive instruction and/or academic tutoring/advising. This instruction and/or support may be provided onsite or through virtual means.</p> <p>Students taking a UC-approved “a-g” course are expected to have regular access (i.e., at least weekly) to a teacher who is a subject expert teacher in that subject area, whether in person or by phone or by email. The teacher should be available to answer students’ questions about curriculum, explain assignments, and provide feedback on student work.</p> <p>Students taking a UC-approved “a-g” course should receive prompt response to inquiries (i.e. by the end of the following school day), whether in person or by phone or email, from a qualified staff member.</p> <p>Students should be assessed to ensure mastery of the content standards. Acceptable assessments include, but are not limited to, tests, essays, projects, research papers, presentations, and exams. All courses must have a final exam or a significant final project.</p> <p>At least major assessments (i.e. unit tests, final exams) must be proctored by a qualified professional (e.g. school teacher, administrator, counselor, or paraprofessional).</p> <p>A student work shall be evaluated by an impartial professional who has been actively involved in the student’s learning process.</p>

# History and Social Science

## Career Choices

Semester – 5 credits

This course focuses on supporting students in developing a vision and foundation for pursuit of crucial life skills, future higher education and careers. Topics covered in this course include exploring students' envisioning their futures, goal setting, career research, decision making, costs of living, and work values.

**Text:** Career Choices (2016)

**Other:** career exploration software

**Course Codes:**

**1521 – Career Choices** – *does not meet UC and CSU a-g requirements*

**1522 – CP Career Choices** – *does not meet UC and CSU a-g requirements*

## Introduction to Social Science

Semester – 5 credits

This course focuses on students developing a foundational understanding of concepts of world geography in order to adequately prepare students for studies in Modern World History, U.S. History, American Government, and Economics. Students will explore the physical and cultural geography and current events of the major regions of the world. Students apply these concepts to gain a fuller understanding of the patterns and processes that shape the world and its people. This course includes research projects and map skills.

**Text:** Global Geography- California Edition, Houghton Mifflin Harcourt (2019)

**Basic Level text:** World Geography, American Guidance Service (AGS) (2001)

**Other:** Odysseyware (online)

**Course Codes:**

**1530 – Introduction to Social Science** – *does not meet UC and CSU a-g requirements*

**1531 – CP Introduction to Social Science** – *does not meet UC and CSU a-g requirements*

## Modern World History

Full year – 10 credits

Students will study major turning points that shaped the modern world from the late 18th century through the present including the cause and course of the two World Wars, trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues, especially as they pertain to international relations. Students will consider multiple accounts of events in order to understand international relations from a variety of perspectives. Topics will include the growth of self-government in England, the Enlightenment, the Age of the French Revolution and Napoleonic Era, the Industrial Revolution and the philosophical reactions to it as both a constructive and destructive force, World War I, World War II, Communism, Fascism and the Holocaust.

**This course requires a final exam proctored by school staff and/or significant projects to be considered a college prep (a-g) class.**

**Texts:** Modern World History – California Edition Houghton Mifflin Harcourt (2019)

**Basic Level Text:** World History, American Guidance Services (AGS) (2001)

**Other:** Example: Odysseyware (online)

**Course Codes:**

**1540 – Modern World History** – *does not meet UC and CSU a-g requirements*

**1550 – CP Modern World History** – *meets UC and CSU a-g requirements*

**1560 – Honors Modern World History** - *meets UC and CSU a-g requirements*

**9162 – History 1B – History of Western Civilization (1600 CE to Present)** – (Shasta College) - *meets UC and CSU a-g requirements*

**9163 – History 3 – World Civilization (1500 CE to Present)** – (Shasta College) - *meets UC and CSU a-g requirements*

## U.S. History

### Full year – 10 credits

Students will study the major turning points in American history during the 20th century, tracing the changes of ethnic composition of American society, the movement towards equal rights for racial minorities and women and the role of the United States as a major world power. An emphasis is placed on the expanding role of federal government and federal courts as well as the continuing tension between the individual and the state. Consider the major social problems for our time and trace their causes in historical events. Learn the United States' role as a model for other nations and that the rights and freedoms we enjoy are not accidents but the result of a defined set of political principles. Understand our rights under the U.S. Constitution comprise a precious inheritance that depends on an educated citizenry for their preservation and protection.

**This course requires a final exam proctored by school staff and/or significant projects to be considered a college prep (a-g) class.**

**Texts:** American History: Reconstruction to the Present – California Edition, Houghton Mifflin Harcourt (2019)

**Basic Level Text:** U.S. History, American Guidance Service (AGS) (2001)

**Other:** Example: Odysseyware (online)

**Course Codes:**

**1578 – U.S. History** – *does not meet UC and CSU a-g requirements*

**1580 – CP U.S. History** - *meets UC and CSU a-g requirements*

**9153 – History 17B – United States History (1877 to Present)** – (Shasta College) - *meets UC and CSU a-g requirements*

### Government

#### Semester – 5 credits

Students in grade twelve pursue a deeper understanding of the institutions of American government. They compare systems of government in the world today and analyze the life and changing interpretations of the Constitution, the Bill of Rights, and the current state of the legislative, executive and judiciary branches of government. An emphasis is placed on analyzing the relationship among federal, state and local governments, with particular attention paid to important historical documents such as The Federalist. These standards represent the culmination of civic literacy as students prepare to vote, participate in community activities and assume the responsibilities of citizenship.

**This course requires a final exam proctored by school staff and/or significant projects to be considered a college prep (a-g) class.**

**Texts:** United States Government: Our Democracy, McGraw Hill (2016)

**Basic Level Text:** United States Government, American Guidance Service (AGS) (2001)

**Other:** Example: Odysseyware (online)

**Course Codes:**

**1610 – American Government** – *does not meet UC and CSU a-g requirements*

**1612 – CP American Government** - *meets UC and CSU a-g requirements*

**9157 – Political Science 2 - Introduction to American Government** – (Shasta College) - *meets UC and CSU a-g requirements*

### Economics

#### Semester – 5 credits

Students will master fundamental economic concepts, applying the tools (graphs, statistics, and equations) from other subject areas to the understanding of operations and institutions of economic systems. Studied in a historic context are the basic economic principles of micro- and macro-economics, international economics, comparative economic systems, measurement, and methods.

**This course requires a final exam proctored by school staff and/or significant projects to be considered a college prep (a-g) class.**

**Text:** Understanding Economics, McGraw Hill (2016)

**Basic Level Text:** Economics, American Guidance Service (AGS) (2005)

**Other:** Example: Odysseyware (online)

**Course Codes:**

**1611 – Economics** – *does not meet UC and CSU a-g requirements*

**1613 – CP Economics** - *meets UC and CSU a-g requirements*

**9150 – Economics 1A - Microeconomics** - *meets UC and CSU a-g requirements*

## English Language Arts

<b>English</b> Full Year – 10 credits	<b>English 9*</b> Full Year – 10 credits UC/CSU “b” requirement	<b>CP English 9*</b> Full Year – 10 credits UC/CSU “b” requirement	<b>Honors English 9*</b> Full Year – 10 credits UC/CSU “b” requirement
<p>This course is intended for students entering the 9<sup>th</sup> grade. Students will focus on understanding literature by studying a variety of genre: short story, non-fiction, poetry, and drama. Students will analyze culturally recurrent patterns and themes in historically and/or culturally significant works. Students will complete a variety of reading and writing activities.</p> <p>Note: This course has an on-campus class option</p> <p><b>Preferred texts:</b>  <u>Basic English</u> - AGS  <u>Basic English Composition</u> – AGS  or  <u>English Essentials</u> – Townsend Press  <u>Improving Vocabulary Skills</u> – Townsend Press</p> <p><b>Preferred Supplemental Readings:</b>  <u>Diary of Anne Frank</u>, <u>Hatchet</u>, <u>Winter Dance</u>, <u>The Odyssey</u> (abridged), <u>Taming of the Shrew</u>, <u>The Outsiders</u>, instructor approved alternate reading.</p> <p><b>Course Code - 1000</b></p>	<p>This course is intended for students entering the 9<sup>th</sup> grade. Students will focus on understanding literature by covering a variety of genre: short story, non-fiction, poetry, and drama. Students will analyze culturally recurrent patterns and themes in historically and/ or culturally significant works. Students will complete a variety of writing activities including narrative, expository, persuasive, informational, and descriptive essays using organization, research, drafting, editing, and revising.</p> <p><b>Preferred texts:</b>  <u>Collections 9</u>– Houghton Mifflin Harcourt  <u>Writer’s Inc: School to Work</u> – Write Source  <u>Easy Grammar</u> – ISHA</p> <p><b>Alternate Resources:</b>  <u>English 900</u> – Starline Press  <u>Be a Better Reader</u> - Pearson</p> <p><b>Preferred Supplemental Readings:</b>  <u>Animal Farm</u>, <u>To Kill a Mockingbird</u>, <u>Romeo and Juliet</u>, <u>The Invisible Man</u>, <u>Sherlock Holmes</u>, <u>King Solomon’s Mines</u>, <u>James Herriot</u>, <u>Patrick McManus</u> or instructor approved alternate reading from school book list.</p> <p><b>Online:</b> Odysseyware</p> <p><b>Course Code - 1010</b></p>	<p>This course is intended for 9<sup>th</sup> grade students and provide for college preparation. Students read selected texts covering the following genres: short stories, folklore and fairy tales, drama, novels, fiction, and nonfiction. Through directed reading and writing assignments, students focus on the mechanics of language, punctuation, and vocabulary development. They demonstrate critical analysis as they evaluate patterns and connections within the literature presented, discuss, and present ideas and observations, and write narrative, expository, persuasive, and descriptive essays using organization, research, drafting, editing and revising.</p> <p><b>Preferred texts:</b>  <u>Collections 9</u>– Houghton Mifflin Harcourt  <u>Writer’s Inc.</u> – Write Source  <u>Easy Grammar</u>, ISHA</p> <p><b>Preferred Supplemental Readings:</b>  <u>Romeo and Juliet</u>, <u>Animal Farm</u>, <u>To Kill a Mockingbird</u>, <u>Our Town</u>, <u>Old Man and the Sea</u>, <u>White Fang</u>, <u>The Call of The Wild</u>, <u>The Lord of Rings</u>, <u>Fast Food Nation</u>, <u>C.S. Lewis</u> or instructor approved alternate reading from the school book list.</p> <p><b>Online:</b> Odysseyware</p> <p><b>Course Code - 1020</b></p>	<p>This course is intended for 9<sup>th</sup> grade students and provide for advanced college preparation. Students read selected texts covering the following genres: short stories, folklore and fairy tales, drama, novels, fiction, and nonfiction. Through directed reading and writing assignments, students focus on the mechanics of language, punctuation, and vocabulary development. They demonstrate critical analysis as they evaluate patterns and connections within the literature presented, discuss, and present ideas and observations, and write narrative, expository, persuasive, and descriptive essays using organization, MLA research, drafting, editing and revising.</p> <p><b>Preferred texts:</b>  <u>Collections 9</u>– Houghton Mifflin Harcourt  <u>Writer’s Inc: Write for College.</u> – Write Source  <u>Easy Grammar</u>, ISHA</p> <p><b>Preferred Readings:</b>  <u>Romeo and Juliet</u>, <u>Animal Farm</u>, <u>To Kill a Mockingbird</u>, <u>Our Town</u>, <u>Old Man and the Sea</u>, <u>Canterbury Tales</u>, <u>Black Like Me</u>, <u>Ivanhoe</u>, <u>The Oxbow Incident</u>, <u>The Jungle</u>, <u>The Scarlet Letter</u>, <u>Jane Eyre</u>, or instructor approved alternate reading from the school book list.</p> <p><b>Course Code - 1030</b></p>
<b>English</b> Full Year – 10 credits	<b>English 10*</b> Full Year – 10 credits	<b>CP English 10*</b> Full Year – 10 credits	<b>Honors English 10*</b> Full Year – 10 credits
<p>This course is intended for students entering the 10<sup>th</sup> grade. Students study various genres of world literature by interacting with short stories, non-fiction, poetry, drama, legends, and novels by analyzing recurrent patterns and themes in culturally and historically significant works. Students will complete a variety of reading and writing activities as well studying grammar and vocabulary.</p> <p>Note: this course has an on-campus class option.</p> <p><b>Preferred texts:</b>  <u>World Literature</u> – AGS</p>	<p>This course is intended for students entering the tenth grade. Students will involve themselves in various world literature genres by interacting with short stories, non-fiction, poetry, drama, legends and novels by analyzing recurrent patterns and themes in historically or culturally significant works. Students will gain skills necessary for competent writing and reading by focusing on the mechanics of language, vocabulary development and directed reading and writing. Students will complete a variety of writing activities including narrative, expository, persuasive, informational and descriptive writing.</p> <p><b>Preferred Texts:</b>  <u>Collections 10</u>– Houghton Mifflin Harcourt  <u>Writer’s Inc.: School to Work</u>– Write Source</p>	<p>This course is designed for 10<sup>th</sup> grade students to satisfy California State Standards and provide for college preparation. Students read selected texts covering the following world literature genres: short stories, folklore and fairy tales, drama, poetry, historical literature, speeches, plays, novels, fiction, and nonfiction. Through directed reading and writing assignments, students focus on the mechanics of language, punctuation, and vocabulary development. They demonstrate critical analysis as they evaluate patterns and connections within the literature presented, discuss and present ideas and observations, and write narrative, expository, persuasive, and descriptive essays using organization, research, drafting, editing, and revising.</p> <p><b>This course requires a final exam or significant final project.</b></p>	<p>This course is intended for 10<sup>th</sup> grade students and provides for advanced college preparation. Students read selected texts covering the following genres: short stories, folklore and fairy tales, drama, novels, fiction, and nonfiction. Through directed reading and writing assignments, students focus on the mechanics of language, punctuation, and vocabulary development. They demonstrate critical analysis as they evaluate patterns and connections within the literature presented, discuss, and present ideas and observations, and write narrative, expository, persuasive, and descriptive essays using organization, MLA research, drafting, editing and revising.</p> <p><b>This course requires a final exam or significant final project.</b></p> <p><b>Preferred texts:</b></p>

<p><u>English Essentials</u> – Townsend Press  <u>Building Vocabulary Skills</u> – Townsend Press  <u>Improving Vocabulary Skills</u> – Townsend Press  <u>Basic English Composition</u> – AGS  <u>Basic English</u> - AGS</p> <p><b>Course Code - 1000</b></p>	<p><u>Easy Grammar</u> - ISHA</p> <p><b>Alternate Resources:</b>  <u>Be a Better Reader</u> – Pearson  <u>English 1000</u> – Starline Press</p> <p><b>Preferred Supplemental Readings:</b>  <u>Antigone, Watership Down, Beowulf: The New Telling, Grendel, Canterbury Tales: Prologue and the Knight's Tale, Flowers for Algernon, The Adventures of Ulysses, Treasure Island</u> or instructor approved alternate reading from school book list.</p> <p><b>Online:</b> Odysseyware</p> <p><b>Course Code - 1070</b></p>	<p><b>Preferred Texts:</b>  <u>Collections 10</u>– Houghton Mifflin Harcourt  <u>Writer's Inc.</u> – Write Source  <u>Writer's Inc: Write for College</u> – Write Source  <u>Easy Grammar, ISHA</u></p> <p><b>Preferred Supplemental Reading:</b>  <u>Antigone, Watership Down, Beowulf: The New Telling, Grendel, Canterbury Tales: Prologue and the Knight's Tale, Flowers for Algernon, The Adventures of Ulysses,</u> or instructor approved alternate reading from school book list.</p> <p><b>Online:</b> Odysseyware</p> <p><b>Course Code - 1080</b></p>	<p><u>Collections 10</u>– Houghton Mifflin Harcourt  <u>Writer's Inc: Write for College.</u> – Write Source  <u>Easy Grammar, ISHA</u></p> <p><b>Preferred Readings:</b>  <u>Antigone, Watership Down, Beowulf: The New Telling, Grendel, Canterbury Tales: Prologue and the Knight's Tale, Flowers for Algernon, The Adventures of Ulysses,</u> or instructor approved alternate reading from school book list.</p> <p><b>Course Code: 1090</b></p>
<p><b>English</b>  Full Year – 10 credits</p>	<p><b>English 11</b>  Full Year – 10 credits</p>	<p><b>CP English 11*</b>  Full Year – 10 credits</p>	<p><b>AP English 11*</b>  Full Year – 10 credits</p>
<p>This course is intended for students entering the eleventh grade. Students will read works of American writers and view works of American artists in terms of literary, political and cultural perspectives. Students will complete a variety of reading and writing activities.</p> <p>Note: this course has an on-campus class option.</p> <p><b>Preferred Texts:</b>  <u>American Literature</u>, AGS  <u>English Essentials</u> – Townsend Press  <u>Building Vocabulary Skills</u> – Townsend Press  <u>Improving Vocabulary Skills</u> – Townsend Press  <u>Basic English Composition</u> – AGS  <u>Basic English</u> - AGS</p> <p><b>Course Code - 1000</b></p>	<p>This course is intended for students entering the eleventh grade. Students will read works of American writers and view works of American artists in terms of literary, political and cultural perspectives. Students will gain skills necessary for competent writing and reading by focusing on the mechanics of language, vocabulary development and directed reading and writing. Students will complete a variety of writing activities including narrative, expository, persuasive, informational and descriptive writing.</p> <p><b>Preferred Texts:</b>  <u>Collections 11</u>– Houghton Mifflin Harcourt  <u>Writer's Inc.: School to Work</u>– Write Source  <u>Easy Grammar</u> - ISHA</p> <p><b>Alternate Resources:</b>  <u>Be a Better Reader</u> – Pearson  <u>English 1100</u> – Starline Press</p> <p><b>Preferred Supplemental Readings:</b>  <u>House Made of Dawn, To Kill a Mockingbird, The Great Gatsby, The Adventures of Huckleberry Finn, The Scarlet Letter, I Know Why the Caged Bird Sings, Concise Anthology of American Literature</u> – Pearson</p> <p><b>Online:</b> Odysseyware</p> <p><b>Course Code - 1110</b></p>	<p>This course is designed for 11th grade students to satisfy California State Standards and provide for college preparation. Students read works of American writers and view works of American artists in terms of literary, political and cultural perspectives. Through directed reading and writing assignments, students focus on the mechanics of language, punctuation, and vocabulary development. They demonstrate critical analysis as they evaluate patterns and connections within the literature presented, discuss and present ideas and observations, and write narrative, expository, persuasive, and descriptive essays using organization, research, drafting, editing, and revising. Creative thinking is encouraged and evaluative thinking is required.</p> <p><b>This course requires a final exam or significant final project.</b></p> <p><b>Preferred Texts:</b>  <u>Collections 11</u>– Houghton Mifflin Harcourt  <u>Writer's Inc.</u>– Write Source  <u>Writer's Inc: Write for College</u> – Write Source  <u>Easy Grammar</u> - ISHA</p> <p><b>Preferred Supplemental Readings:</b>  <u>House Made of Dawn, The Great Gatsby, The Adventures of Huckleberry Finn, The Scarlet Letter, I Know Why the Caged Bird Sings, The Killer Angels, The Journals of Lewis and Clark,</u></p> <p><b>Online:</b> Odysseyware</p> <p><b>Course Code – 1120</b></p>	<p>Not Available</p>
<p><b>English</b>  Full Year – 10 credits</p>	<p><b>English 12</b>  Full Year – 10 credits</p>	<p><b>CP English 12*</b>  Full Year – 10 credits</p>	<p><b>AP English 12*</b>  Full Year – 10 credits</p>

<p>This course is intended for students entering the twelfth grade. Students will read works of American writers and view works of American artists in terms of literary, political and cultural perspectives. Students will complete a variety of reading and writing activities.</p> <p>Note: this course has an on-campus class option.</p> <p><b>Preferred Texts:</b>  <u>American Literature</u>, AGS  <u>English Essentials</u> – Townsend Press  <u>Building Vocabulary Skills</u> – Townsend Press  <u>Improving Vocabulary Skills</u> – Townsend Press  <u>Basic English Composition</u> – AGS  <u>Basic English</u> - AGS</p> <p><b>Course Code – 1000</b></p>	<p>This course is intended for students entering the twelfth grade. Students will explore British and World Literature through reading stories, novels, plays, poems and essays. Students will examine the nature, character and universality of humankind as they become acquainted with prominent authors from many countries spanning several centuries. Students will gain skills necessary for competent writing and reading by focusing on the mechanics of language, vocabulary development and directed reading and writing. Students will complete a variety of writing activities including narrative, expository, persuasive, informational and descriptive writing.</p> <p><b>Preferred Texts:</b>  <u>Collections 12</u>– Houghton Mifflin Harcourt  <u>Writer’s Inc.: School to Work</u>– Write Source  <u>Easy Grammar</u> - ISHA</p> <p><b>Alternate Resources:</b>  <u>Be a Better Reader</u> – Pearson  <u>English 1200</u> – Starline Press</p> <p><b>Optional Supplemental Reading:</b>  <u>Much Ado About Nothing</u>, <u>Murder on Orient Express</u>, <u>John Keats</u>, <u>The Portrait of Dorian Grey</u>, <u>Percy Bysshe Shelly</u>, <u>Robert and Elizabeth Browning</u>, <u>A Novel</u>, <u>Prufrock</u>, and <u>Other Observations</u>, <u>The Jungle Book</u></p> <p><b>Online:</b> Odysseyware</p> <p><b>Course Code - 1150</b></p>	<p>This literature-based English 12 course is designed for 12th grade students to satisfy California State Standards and provide for college preparation. The course covers the origins of the English language, and many works that are considered oral traditions, such as Gilgamesh and Sir Gawain and the Green Knight, as well as Ballads, and Epic Poems. A historical viewpoint of Shakespeare will be presented. Students will learn the history of Shakespeare’s life, studying the times in which he lived, and his impact as a writer on Western Literature. An overview of all of Shakespeare’s works is offered before studying two works in depth. Students will perform dramatic reenactments of scenes. Students will cover literary theme, motif, setting and characters in the play. The students will complete written literary analysis of a Shakespearean comedy. The second semester of the course will cover Contemporary British Literature: 1800 to modern day. The students will read and discuss modern poets, playwrights, and novelists of Britain and submit written literary analyses of modern literary pieces. MLA citing of resources will be reviewed and required on extensive, structured writing assignments. Focus of the year-long study will be: vocabulary, literary analysis, structured writing, significance of literature, human impact and meaning in modern day life. Students will develop, and be graded on, speaking and listening skills as well.</p> <p><b>This course requires a final exam or significant final project.</b></p> <p><b>Preferred Texts:</b>  <u>Collections 12</u>– Houghton Mifflin Harcourt  <u>Writer’s Inc.</u>– Write Source  <u>Easy Grammar</u> - ISHA</p> <p><b>Optional Supplemental Reading:</b>  <u>Much Ado About Nothing</u>, <u>Murder on the Orient Express</u>, <u>Two Years Before the Mast</u>, <u>John Keats</u>, <u>The Portrait of Dorian Grey</u>, <u>Percy Bysshe Shelly</u>, <u>Robert and Elizabeth Browning</u>, <u>The Jungle Book</u>, <u>The Importance of Being Ernest</u>, <u>The Hitchhiker’s Guide to the Galaxy</u></p> <p><b>Online:</b> Odysseyware</p> <p><b>Course Code - 1160</b></p>	<p>Not Available</p>
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\*meets “a-g” requirements

## Shasta Community College English Options

Alternate courses are available at Shasta Community College. These courses may be substituted for high school English courses. Some may also result in college transferrable credit. A 3.33 unit multiplier is used to convert college units to high school credits.

**Courses**

**9107 – English 280 – Reading and Writing I** - *does not meet UC and CSU a-g requirements*

**9101 – English 190 – Reading and Writing II** - *meets UC and CSU a-g requirements (considered a remedial level course, non-transferrable college credit)*

**9106 – English 1A – College Composition** - *meets UC and CSU a-g requirements (transferable college credit)*

**9104 – English 1B – Literature and Composition** - *meets UC and CSU a-g requirements (transferable college credit)*

**9109 – English 1C – Critical Reasoning, Reading, and Writing** - *meets UC and CSU a-g requirements (transferable college credit)*

**9110 – English 31 – Creative Writing** - *meets UC and CSU a-g requirements (transferable college credit)*

## Mathematics

### Math 1 (Algebra 1)

Full Year – 10 Credits

Math 1 is the first of three mathematics courses required for college entrance. The course content includes: functions; algebra; geometry; statistics; probability; discrete mathematics; measurement; number; logic; and language. The course emphasizes mathematical reasoning, problem solving, and communication through integration of the various strands, connections with other subject areas and real-life applications, use of technology, and exploratory and group activities. The course emphasizes algebra.

**Note: This course has an on-campus class option.**

**This course requires a final exam or significant final project to be considered a college prep (a-g) class.**

**Prerequisite:** grade of "C" or better in Pre-Algebra or Math 8 or appropriate placement testing results

**Text:** Integrated Math 1 – Pearson Common Core Integrated Mathematics 1(2014)

**Basic Level Text:** Integrated Math 1 - Pearson Common Core Integrated Mathematics 1(2014)

**Other:** Example: Odysseyware (online)

**Course Codes:**

**On-Campus class codes**

**H2084 – Math 1/ Algebra 1 Basic** - *does not meet UC and CSU a-g requirements*

**H2085 – CP Math 1/ Algebra 1** - *meets UC and CSU a-g requirements*

**Off-Campus class codes**

**2083 – Math 1** - *does not meet UC and CSU a-g requirements*

**2085 – CP Math 1/ Algebra 1** – *meets UC and CSU a-g requirements*

**Shasta College class codes**

**9209 – MATH 101** – *meets UC and CSU a-g requirements*

## Math 2 (Geometry)

Full Year – 10 Credits

Math 2 is the second of three mathematics courses required for college entrance. The course content includes: functions; algebra; geometry; statistics; probability; discrete mathematics; measurement; number; logic; and language. The course emphasizes mathematical reasoning, problem solving, and communication through integration of the various strands, connections with other subject areas and real-life applications, use of technology, and exploratory and group activities. The course emphasizes geometry.

**Note: This course has an on-campus class option.**

**This course requires a final exam or significant final project to be considered a college prep (a-g) class.**

**Prerequisite:** completion of Math 1 or Algebra 1

**Text:** Integrated Math 2 – Pearson Common Core Integrated Mathematics 2(2014)

**Basic Level Text:** Geometry: Concepts and Skills – Holt McDougal (2010)

**Other:** Example: Odysseyware (online)

**Course Codes:**

**On-Campus class codes**

**H2122 – Math 2/ Geometry** - *does not meet UC and CSU a-g requirements*

**H2125 – CP Math 2/ Geometry** - *meets UC and CSU a-g requirements*

**Off-Campus class codes**

**2122 – Math 2/ Geometry** - *does not meet UC and CSU a-g requirements*

**2125 – CP Math 2/ Geometry** – *meets UC and CSU a-g requirements*

## Math 3 (Algebra II)

Full Year – 10 Credits

Math 3 is the third of three mathematics courses required for college entrance. The course content includes: more complex algebraic functions; geometry; statistics; probability; discrete mathematics; measurement; number; logic; and language. The course emphasizes mathematical reasoning, problem solving, and

communication through integration of the various strands, connections with other subject areas and real-life applications, use of technology, and exploratory and group activities.

**Note: This course has an on-campus class option.**

**This course requires a final exam or significant final project to be considered a college prep (a-g) class.**

**Prerequisite:** completion of Math 2 or Geometry

**Text:** Integrated Math 3 – Pearson Common Core Integrated Mathematics 3(2014)

**Basic Level Text:** Integrated Math 3 – Pearson Common Core Integrated Mathematics 3(2014)

**Other:** Example: Odysseyware (online)

**Course Codes:**

**On-Campus class codes**

**H2153 – Math 3/ Algebra II** – does not meet UC and CSU a-g requirements

**H2155 – CP Math 3/ Algebra II** - meets UC and CSU a-g requirements

**Off-Campus class codes**

**2155 – CP Math 3/ Algebra II** - meets UC and CSU a-g requirements

**Shasta College class codes**

**9201 – MATH 102** – meets UC and CSU a-g requirements

## Basic Geometry

Full Year – 10 credits

Students will develop the ability to construct formal, logical arguments and proofs in geometric settings and problems. Geometry is the study of points, lines and areas in a single plane with extensions into three-dimensional space. Emphasis is placed on creating a consistent set of axioms and using deductive reasoning to derive theorems. Students need to have a strong foundation in algebraic concepts.

**Basic Level Text:** Geometry, American Guidance Service (AGS), Keys to Geometry (McGraw Hill)

**Course Codes:**

**Off-Campus course code**

**2102 – Basic Geometry** - does not meet UC and CSU a-g requirements

## Geometry

Full Year – 10 credits

Students will develop the ability to construct formal, logical arguments and proofs in geometric settings and problems. Geometry is the study of points, lines and areas in a single plane with extensions into three-dimensional space. Emphasis is placed on creating a consistent set of axioms and using deductive reasoning to derive theorems. Students need to have a strong foundation in algebraic concepts.

**Texts:** Example: Odysseyware (online), UC Scout (online), Geometry – Starline (2002)

**Course Code: 2105 – Geometry** - does not meet UC and CSU a-g requirement

## CP Geometry

Full Year – 10 Credits

Students will develop the ability to construct formal, logical arguments and proofs in geometric settings and problems. Geometry is the study of points, lines and areas in a single plane with extensions into three-dimensional space. Emphasis is placed on creating a consistent set of axioms and using deductive reasoning to derive theorems. Students need to have a strong foundation in algebraic concepts.

**This course requires a final exam to be considered a college prep (a-g) class.**

**Texts:** Odysseyware (online)

**Course Codes:**

**Off-Campus course code**

**2100 – CP Geometry** - meets UC and CSU a-g requirements

## Algebra II

Full Year – 10 Credits

This discipline complements and expands the mathematical content and concepts of Algebra I and Geometry. Students who master Algebra 2 will gain experience with algebraic solutions of problems in various content areas, including the solution of systems of quadratic equations, logarithmic and exponential functions, the binomial theorem, and the complex number system.

**This course requires a final exam to be considered a college prep (a-g) class.**

**Texts:** Odysseyware (online)

**Course Codes:**

**Off-Campus course code**

**2130 – Algebra II** - meets UC and CSU a-g requirements

**Shasta College Course code**

**9201 – Math 102 - Intermediate Algebra** - meets UC and CSU a-g requirements (considered a remedial level course, non-transferrable college credit)

## Trigonometry/ Pre-Calculus

Full Year – 10 Credits

Pre-Calculus blends the concepts and skills that must be mastered before Enrollment in a college-level calculus course. The course includes the study of relations and functions, exponential and logarithmic functions, trigonometry in triangles, trigonometric functions, trigonometric identities and equations, polar coordinates, sequences and series, and data analysis.

**Text:** Odysseyware (online)

**Course Codes :**

**Off-campus Course code**

**2150 – Trigonometry/ Pre-Calculus** - meets UC and CSU a-g requirements

**Shasta College Course code**

**9210 – Math 2A Pre-calculus College Algebra** - meets UC and CSU a-g requirements

**9211 – Math 2B Pre-calculus Trigonometry** - meets UC and CSU a-g requirements

**9203 – Math 2 Pre-calculus** - meets UC and CSU a-g requirements

## Calculus (Math 3A & 3B)

1 semester – 4 College Units and 13.3 High School Credits

A one semester class at Shasta Community College which covers differentiation of single variable function, applications for the derivative, introduction to integration, and introduction to differential equations.

**Text:** Math 3A text determined by Shasta Community College

**Shasta College Course Code:**

**9206 – Math 3A - Calculus 3A** - meets UC and CSU a-g requirements

**9207 – Math 3B - Calculus 3B** - meets UC and CSU a-g requirements

## Consumer Mathematics

1 semester - 5 Credits

This is a general mathematics course designed to reinforce basic mathematics skills and link those skills to consumer applications. Such applications may include personal finance, saving, budgeting, debt, financing post-secondary education, consumer awareness, bargain shopping, investing and retirement, insurance, money and relationships, careers and taxes, and giving. Consumer Mathematics is accepted towards SCA's mathematics graduation requirement.

**Texts:** Odysseyware (online)

**Course Code:**

**2006 – Consumer Mathematics** - does not meet UC and CSU a-g requirements

## Personal Finance

1 semester – 5 Credits

This is a mathematics course designed to instruct students in topics of personal finance. Practical topics include saving, budgeting, avoiding debt, consumer awareness, credits cards, student loans, investing, retirement planning, insurance, taxes, and giving. Personal Finance is accepted towards SCA's mathematics graduation requirement.

**Texts:** Foundations in Personal Finance, Ramsey Education Solutions (2014)

**Course Code:**

**9024 – Personal Finance** - *does not meet UC and CSU a-g requirements*

## Science

### Physical Earth Science

Full Year – 10 Credits

Earth Science is a comprehensive laboratory science designed to cover the following general headings: Investigations and Experimentation, Mathematical and Statistical Analysis of Data, Matter and Chemical Composition of the Earth, Dynamic Earth Processes, The Many Forms of Energy in the Earth's System, Bio- and Geochemical Cycles, Applications and Solutions to Problems in the California Setting, Astronomy From the Subatomic to the Cosmic, The Principle of Conservation as it Applies to the Physical and Environmental World in Which We Live, The Challenges That are Inherent to Maintaining Our Planet's Order.

**Note:** This course has an on-campus class option.

**This course requires a final exam and labs to be considered a college prep (a-g) class. Earth Science is considered an elective science (area G) and not a primary lab science (area D) for college admission purposes. Can meet 2<sup>nd</sup> year CSU Lab Science requirement.**

**Co-requisite:** Algebra 1 or Math 1 or completion of higher math course

**Texts:** Earth Science (California), Prentice Hall (2006) or Odysseyware (online) or UC Scout (online) or Starline Press (2002)

**Basic Level Text:** Earth Science, American Guidance Service (AGS) (2004)

**Course Codes:**

**On-Campus course codes**

**H3065 – Physical Earth Science** - *does not meet UC and CSU a-g requirements*

**H3063 – CP Physical Earth Science** - *meets UC and CSU a-g requirements*

**Off-campus course code**

**3065 – Physical Earth Science** - *does not meet UC and CSU a-g requirements*

**3063 – CP Physical Earth Science** - *does not meet UC and CSU a-g requirements without labs*

## Biology

Full Year – 10 Credits 1 semester course for 4 College Units and 13.3 Credits

In this course, students will use experimentation and inquiry to explore the basic concepts of biological science. All aspects of life will be investigated, including cellular structure, structure and function of plants and animals, genetics, evolution, diversity and principles of classification, and ecological relationships.

**Note:** This course has an on-campus class option.

**This course requires a final exam and labs to be considered a college prep (a-g) class.**

**Co-requisite:** Geometry or Math 2 or completion of a higher math course

**Texts:** Biology, - Prentice Hall (2006) or Odysseyware (online) or Starline Press (2002)

**Basic Level Text:** Biology, American Guidance Service (AGS) (2004)

**Course Codes:**

**On-Campus course codes**

**H3010 – Biology** - *does not meet UC and CSU a-g requirements*

**H3020 – CP Biology** - *meets UC and CSU a-g requirements*

**Off-Campus course codes**

**3010 – Biology** - *does not meet UC and CSU a-g requirements*

**3020 – CP Biology** - *does not meet UC and CSU a-g requirements without labs*

**Shasta College Course code**

**9304 – General Biology (BIOL-10 & BIOL-10A)** - *meets UC and CSU a-g requirement*

## Chemistry

Full Year – 10 Credits or 1 semester course for 4 College Units and 16.67 Credits

Chemistry is taught as a concept oriented course with emphasis on understanding the general laws governing the properties of the elements, their compounds and their reactions. Importance will be placed on understanding how chemical principles and concepts are developed and how these principles can be used to explain phenomena in everyday life. Ample mathematical application made in all topics. Introduces principles of atomic theory, Periodic Law, bonding, molecular

formulas, equations, stoichiometry, solution and acid-base chemistry, equilibrium and thermochemistry. Descriptive chemistry and the chemistry of carbon compounds are integral parts of the course.

**Note: This course has an on-campus class option.**

**This course requires a final exam and labs to be considered a college prep (a-g) class.**

**Co-requisite:** Algebra II or Math 3 or higher math

**Text:** Chemistry: Concepts and Applications – Glencoe (2005) or Odysseyware (online)

**Course Codes:**

**On-Campus course codes**

**H3055 – Honors Chemistry** - meets UC and CSU a-g requirements

**Off-Campus course codes**

**3050 – CP Chemistry** - does not meet UC and CSU a-g requirements without labs

**Shasta College Course code**

**9310 – General Chemistry (CHEM-1A)** - meets UC and CSU a-g requirement

**9308 & 9309 – Chemistry for Liberal Arts (CHEM-10 & 11)** - meets UC and CSU a-g requirement

## Physics

Full Year – 10 Credits or 1 semester course for 4 College Units and 13.3 Credits

Physics is the science of forces and matter (involving no changes in chemical composition) and energy. The first semester focuses on mechanics, specifically: measurement/motion, forces/vectors, curvilinear motion, and energy/momentum. The second semester includes energy forms, namely: heat, waves, sound, light, and electricity. It is a laboratory course that meets the graduation requirement for lab science.

**Co-requisite:** grade of C or higher in Algebra II or Math 3 or completion of higher math course

**Text:** Odysseyware (online)

**Course codes**

**Off-Campus Course code**

**3070 – CP Physics** - meets UC and CSU a-g requirements

**Shasta College Course code**

**9314 – General College Physics (PHYS-2A)** - meets UC and CSU a-g requirements

## Visual and Performing Arts

### Art I

Full year – 10 Credits

This is a first year exploratory art course in the fundamentals of art and art history. This class will be experimenting in several different mediums of art; watercolors, pastels, and charcoal designs. A variety of different techniques and types of art will be taught to enhance all students' interests. This is an introduction to studio art and all novices are welcome.

**Note: This course has an on-campus class option.**

**Text:** Art Talk, Glencoe (2000) and Creating and Understanding Drawing, Glencoe (2001) or Instructor provided

**Course codes**

**On-Campus course code**

**H6000 – Art 1** – meets UC and CSU a-g requirements

**Off-Campus course code**

**6000 – Art 1** – meets UC and CSU a-g requirements

### Art 2, 3, or 4

Full year – 10 Credits

This is an advanced art course where students focus primarily on more advanced art techniques and involves the use and skills acquired in Art I. This course will emphasis drawing from life and applying art theory to more open-ended projects. Students are expected to complete significant projects, maintain sketch books, complete periodic reading and writing assignments, maintain a portfolio and attempt all assigned art projects.

**Notes: This course has a pre-requisite of Art 1 or specific approval from the instructor based on student experience level in art. This course has an on-campus class option.**

**Text:** Instructor provided resources

#### Course Codes

##### On-Campus code

**H6010 – Art II** -- meets UC and CSU a-g requirements

**H6020 – Art III** – meets UC and CSU a-g requirements

**H6030 – Art III** – meets UC and CSU a-g requirements

##### Off-Campus course code

**6010 – Art II** – meets UC and CSU a-g requirements

**6020 – Art III** – meets UC and CSU a-g requirements

**6030 – Art III** – meets UC and CSU a-g requirements

## Ceramics

Full year – 10 Credits

This course include basic hand-built clay construction techniques including pinch, coil, slab, and sculpture. Students will learning finishing techniques such as carving, slip coloring, painting, and glazing, as well as firing techniques and glass fusing. The course focuses on the aesthetic and technical aspect of 3-D design.

**Note: This course has a pre-requisite of Art 1 or specific approval from the instructor based on student experience level in art.**

**Text:** Instructor provided resources

#### Course Codes

##### On-Campus code

**H6000 – Ceramics** - meets UC and CSU a-g requirements

##### On-Campus code

**H6000 – Ceramics** - meets UC and CSU a-g requirements

##### Shasta College course code

**9604 – Beginning Ceramics (Art-35** - meets UC and CSU a-g requirements

## Digital Art

Full Year – 10 Credits

This course provides an introduction to digital art creation. Students are taught introductory digital SLR based photography, Photoshop, Corel Painter, use of digital tablets, digital large-format printing, and production. Students will also learn the history and development of photographic technology while exploring its importance in journalism, advertising, fine art, and commercial applications for possible career choice. Students produce finished, printed works of art as well as digital portfolios.

**Note: This course has an on-campus class option.**

**Texts:** Instructor provided resources

#### Course codes

##### On-Campus course code

**H4655 – Digital Art** – meets UC and CSU a-g requirements

**H4658 – Digital Art 2** – meets UC and CSU a-g requirements

##### Off-Campus course code

**4655 – Digital Art** – does not meet UC and CSU a-g requirements

## Digital Photography

Full Year – 10 Credits

This course will provide students a solid foundation in good photographic processes. Topics will include history of photography, elements of good photography, exposure – aperture, shutter speed, ISO, basic photographic composition, photography terminology, mechanics and functions of a modern DSLR, current graphic formatting procedures, photo genre – landscape, portrait, light painting, architecture, etc., lighting – natural, artificial, and studio, long exposure and night photography, Adobe Photoshop and general post-processing – beginning through advanced techniques. The class may participate in a number of photography displays and contests.

**Texts:** Instructor determined

#### On-Campus Course Code:

**H4653 – Digital Photography** – meets UC and CSU a-g requirements

## Instrumental Music

Full Year – 10 Credits

Students will explore and work towards proficiency performing with an instrument. Students are required to receive instruction from a qualified professional musician in order to be enrolled in this course. Students are expected to average one lesson per week, practice a minimum of five hours per week and perform for teacher/ facilitator in person, in a recital or summative performance at least once per semester and can receive five credits per semester. Course may be retaken for credit.

**Texts:** Instructor determined

**Course Code:**

**9071 – Instrumental Music** – *does not meet UC and CSU a-g requirements*

## Voice

Full Year – 10 Credits

Students will explore and work towards proficiency performing with his or her voice. Students are required to receive instruction from a qualified professional musician in order to be enrolled in this course. Students are expected to average one lesson per week, practice a minimum of five hours per week and perform for teacher/ facilitator, in a recital or summative performance at least once per semester and can receive five credits per semester. Course may be retaken for credit.

**Texts:** Instructor determined

**Course Code:**

**9070 – Voice** – *does not meet UC and CSU a-g requirements*

## Piano

Full Year – 10 Credits

Students will explore and work towards proficiency performing with a piano. Students are required to receive instruction from a qualified professional musician in order to be enrolled in this course. Students are expected to average one lesson per week, practice a minimum of five hours per week and perform for teacher/ facilitator, in a recital or summative performance at least once per semester and can receive five credits per semester. Course may be retaken for credit.

**Texts:** Instructor determined

**Course Code:**

**7045 – Piano** – *does not meet UC and CSU a-g requirements*

## Guitar

Full Year – 10 Credits

Students will explore and work towards proficiency performing with a guitar. Students are required to receive instruction from a qualified professional musician in order to be enrolled in this course. Students are expected to average one lesson per week, practice a minimum of five hours per week and perform for teacher/ facilitator, in a recital or summative performance at least once per semester and can receive five credits per semester. Students in Guitar 1 will study beginning music theory relating to reading rhythms, chord symbols, and treble clef notation. Students in Guitar 2 will study increased classical techniques and complex chords and music theory will be taught. Course may be retaken for credit.

**Texts:** Instructor determined

**Course Code:**

**7015 – Guitar 1** – *does not meet UC and CSU a-g requirements*

**7016 – Guitar 2** – *does not meet UC and CSU a-g requirements*

## Choir

Full Year – 2.5 credits per semester

Students will explore and work towards proficiency performing with a mixed choir. Students are required to receive instruction from a qualified professional musician in order to be enrolled in this course. Students are expected to average one lesson per week, practice a minimum of five hours per week and perform for teacher/ facilitator, in a recital or summative performance at least once per semester and can receive five credits per semester. Course may be retaken for credit.

**Texts:** Instructor determined

**On-Campus course code:**

**H7050 – Choir** – *does not meet UC and CSU a-g requirements*

**Off-Campus course code**

**7050 – Choir** – *does not meet UC and CSU a-g requirements*

# Physical Education

## Physical Education Course 1

Full Year – 10 Credits

The goal is incorporation of activity into their daily lives and the gain of lifelong healthy fitness habits. The course focuses on the health benefits of regular physical activity and of a long term exercise program and performance of individual and team sports. As students work through the course, they will learn about the many aspects of physical fitness, including basic nutrition, the importance of flexibility, cardiovascular health, muscle and strength training, and realistic goal setting. Team sports introduced include soccer, basketball, football, baseball, and volleyball. An introduction to fitness, strength, endurance, and nutrition is also included.

Students will be required to maintain and submit an activity log in order to measure progress in course exercises, as well as in personal fitness goals. Students taking this course, as required by state law, must complete the annual physical fitness test to meet state requirements.

**Texts:** Odysseyware (online) – Physical Fitness (1<sup>st</sup> semester) and Physical Education (2<sup>nd</sup> semester) or Instructor determined

**Course Code:**

**2500 – Physical Education 1** – *does not meet UC and CSU a-g requirements*

## Physical Education Course 2

Full Year – 10 Credits

This course completes the second year of physical education required of students for graduation. Students are expected to work his or her teacher/ facilitator and parents to develop a program to increase proficiency in a variety of physical exercises. Students will complete an average five hours of approved exercise per week and provide a log of activities to receive course credit. This class may be retaken for credit.

**Text:** provided by instructor

**Course Code:**

**2505 – Physical Education 2** – *does not meet UC and CSU a-g requirements*

## Athletic Physical Education

Full Year – 10 Credits

Athletic Weight Training and Fitness Physical Education is a conditioning and skill development physical education class offered for athletes participating in extracurricular sports. It will follow the physical education standards for PE Course 2. This course may be taken after a student completes PE Course 1.

**Text:** provided by instructor

**Course Code:**

**2565 – Athletic Weight Training and Fitness** – *does not meet UC and CSU a-g requirements*

## Physical Education Elective

Full Year – 10 Credits

The purpose of this course is to create a personalized course of physical education study for an individual student. The teacher of record, in collaboration with the parent/s and student, will create an individualized course of study which falls outside the standard guidelines of other physical education courses. Progress shall be documented using activity logs, images, demonstrated performance, and documented objective achievement in the course of study.

**Text:** provided by instructor, parents, or student

**Course Code:**

**9026 – Physical Education Elective** – *does not meet UC and CSU a-g requirements*

# Practical and Vocational Arts

## Computer Applications

Full Year or Half Year (SC class) – 10 Credits

This entry level computer class is designed to familiarize students with keyboarding, the Internet, Microsoft Windows OS, Microsoft Word, Excel, and Power Point and Google Docs. Through multimedia lecture/demonstration and discussion, this hands-on course provides students with the concepts and principles necessary to efficiently navigate these programs appropriately. Additionally, student will understand the hardware and software used to access the Internet and email and effectively utilize search engines. *Satisfies SUHSD computer proficiency graduation requirement.*

**Note:** This course has an on-campus class option which is a Dual Enrollment course with Shasta College that is offered on the SCA campus.

**Text:** Microsoft Office 2007 – Paradigm (2007) or Odysseyware (online)

**Course Code:**

**Off-Campus course codes**

**4530 – Computer Applications 1** – *does not meet UC and CSU a-g requirements*

**4646 – Computer Applications 2** – *does not meet UC and CSU a-g requirements*

**On-Campus Course Code (S.C. Dual Enrollment course)**

**9463 – CIS 1: Computer Literacy Workshop** – *meets UC and CSU a-g requirements*

**Shasta College Course Code**

**9463 – CIS 1: Computer Literacy Workshop** – *meets UC and CSU a-g requirements*

## Introduction to Computer Science

Half Year (SC class) – 10 Credits

This course is intended to teach programming techniques using the Visual Basic language. Software life-cycle including design, development, styles, documentation, testing, and maintenance; procedural versus object oriented programming; and program design tools will be discussed. Students will be introduced to Visual Basic statements including, but not limited to data types, input, output, computation, looping, arrays, subroutines, file processing commands, form layout, objects, events, error handling, passing parameters by value and by reference, principles of testing and designing test data, and Visual Basic tools. Students will design, code, test, and execute several detailed business-oriented programs ranging from very simple to complex.

**Note:** This course is an on-campus class only which is a Dual Enrollment course with Shasta College that is offered on the SCA campus.

**Text:** Instructor will provide materials

**Course Codes:****On-Campus course code****9465 – CIS 60: Visual Basic Programming** – meets UC and CSU a-g requirements**Shasta College course code****9465 – CIS 60: Visual Basic Programming** – meets UC and CSU a-g requirements

## Introduction to Robotics and Engineering

Full Year – 10 Credits

The objective of this course is to introduce students to robotics and the engineering process. Students will learn to code using various languages (Snap!, Scratch!, Python, Robot C). The robotics course is designed to explore the past, current and future use of automation technology in industry and everyday use. Students will receive a comprehensive overview of robotic systems and the subsystems that comprise them. Students will work in teams to design, build and program their robots as well as document their progress. Topics may include motor control, gear ratios, torque, friction, sensors, program loops, logic gates, decision-making, timing sequences, and binary number systems.

**Note: This course is an on-campus class only****Text:** Instructor will provide materials**Course Code:****On-Campus course code****H4690** – meets UC and CSU a-g requirements

## Robotics I,II, III

Full Year – 10 Credits

The pre-requisite to this course is having finished the Introduction to Robotics and Engineering course for 10 credits with a grade of “C” or better.

Students in robotics II and III will build on their knowledge of the engineering process, coding, and basic mechanics to design and build robots for VEX competitions held throughout the academic school year. Students will formally keep track of their progress by keeping a detailed engineering notebook that is part of the VEX competitions. Students will strategize their robot design based on the challenge VEX has created for that year. Students will build their prototype robot and troubleshoot their design. Students are required to attend all competitions (usually 5) as part of their grade.

**Note: This course is an on-campus class only****Text:** Instructor will provide materials**Course Code:****On-Campus course code****H4695 – Robotics I** meets UC and CSU a-g requirements**H4696 – Robotics II** meets UC and CSU a-g requirements**H4697 – Robotics III** meets UC and CSU a-g requirements

## Keyboarding

Semester – 5 Credits

The goal of this course is for students to gain basic level keyboarding skills appropriate for completing course work and to be prepared for careers that involve basic data entry. Students will utilize appropriate software to develop proper keyboarding form and speed to accomplish these goals. Student will practice a minimum average of five hours per week, which will be documented using an activity log and provide printed work samples which indicate both speed and accuracy.

**Text:** Instructor or family provided.**Course code:****4520 – Keyboarding** – does not meet UC and CSU a-g requirements

## Digital Art

Full Year – 10 Credits

This course provides an introduction to digital art creation. Students are taught introductory digital SLR based photography, Photoshop, Corel Painter, use of digital tablets, digital large-format printing, and production. Students will also learn the history and development of photographic technology while exploring its importance in journalism, advertising, fine art, and commercial applications for possible career choice. Students produce finished, printed works of art as well as digital portfolios.

**Note: This course has an on-campus class option.****Texts:** Instructor provided resources**Course codes****On-Campus course code****H4655 – Digital Art** – meets UC and CSU a-g requirements**H4658 – Digital Art 2** – meets UC and CSU a-g requirements

**Off-Campus course code**4655 – Digital Art – *does not meet UC and CSU a-g requirements***Home Economics**

Full Year – 10 Credits

This course is an introduction to a variety of topics associated with effective management of a household. Topics include meal preparation and nutrition, sewing, home maintenance, basic automotive care and maintenance, and household budgeting. Family and teacher will work together to develop personalized assignments appropriate to the student's abilities. Student will provide documentation in the forms of an activity log, samples, presentations, pictures, etc.

**Text:** Instructor provided resources.**Course code**9050 – Home Economics – *does not meet UC and CSU a-g requirements***Introduction to Construction**

Full Year – 10 Credits

Introduction to Construction is designed to be an introduction to a variety of elements of the construction trades. Students will learn effective techniques for both basic hand tools and power tools. Safety with all tools is emphasized. Student projects will be determined based on student's skill level and interests and will be documented using an activity log, photographs, samples, etc. Students will learn basic woodworking, plumbing and electrical methods.

**Texts:** Determined by instructor**Course Code**5070 – Introduction to Construction – *does not meet UC and CSU a-g requirements***Culinary Arts**

Full Year – 10 Credits

This course is designed to be an introduction to a variety of elements of culinary arts. Topics include food safety, general nutrition and personal diet evaluation. Students will learn the fundamentals for planning, preparing and serving meals. Basic equipment use and care, food purchasing, and preparation techniques will be covered. Student projects will be determined based on student's skill level and interests and will be documented using an activity log, photographs, samples, etc.

**Texts:** Determined by instructor**Course Code**5565 – Culinary Arts 1 – *does not meet UC and CSU a-g requirements*5570 – Culinary Arts 2 – *does not meet UC and CSU a-g requirements***Introduction to Family and Consumer Science (FACS)**

Full Year – 10 Credits

Consumer Education & Economics is a contemporary consumer education program that covers all financial literacy basics: Understanding our economy, Managing family and personal finances, Understanding and managing credit, Making well-informed purchasing decisions.

**Text:** Project based learning as determined by teacher**Course Code**5552 – Intro to Family and Consumer Science – *does not meet UC and CSU a-g requirements***Senior Family and Consumer Science (FACS)**

Full Year – 10 Credits

Consumer Education & Economics is a contemporary consumer education program that covers all financial literacy basics: Understanding our economy, Managing family and personal finances, Understanding and managing credit, Making well-informed purchasing decisions.

**Suggested Text:** Project based learning as determined by teacher**Course Code**5555 – Senior Family and Consumer Science – *does not meet UC and CSU a-g requirements***Personal Finance**

Full Year – 10 Credits

This is a general mathematics course designed to reinforce basic mathematics skills and link those skills to consumer applications. Such applications may include personal finance, saving, budgeting, debt, financing post-secondary education, consumer awareness, bargain shopping, investing and retirement, insurance, money and relationships, careers and taxes, and giving. Personal Finance is accepted towards SCA's practical arts graduation requirement.

**Texts:** Foundations in Personal Finance, Ramsey Education Solutions (2014), Odysseyware (online)**Course Code:**9024 – Personal Finance - *does not meet UC and CSU a-g requirements*

## Electives

### Driver's Education

This class completes half of the requirements needed to apply for a California Driver's License, needing to be followed by Driver's Training. Students' experience will allow them to perform safely in the automobile transportation system. This is a 2.5 unit class.

**Text:** online courses as determined by teacher

**Course code:**

**0060 - Drivers Education** – *does not meet UC and CSU a-g requirements*

### Teacher/ Office Aide

Student will learn the basics of operation of a classroom or office by volunteering a minimum of 5 hours per week, which will be documented and evaluated by a trained staff member. Students will document their learning using learning logs, reflective writing assignments, and interactive discussions with supervising staff in order to learn the essentials of working in these professional settings.

**Text:** none

**Course code:**

**8080 – Teacher/ Office Aide** – *does not meet UC and CSU a-g requirements*

### Foreign Language

These courses are offered through Shasta Community College and meet admission criteria for colleges and universities, as a substitute for the standard admission criteria two years of high school foreign language. Completion of foreign language is not requirement of high school graduation in California, Shasta Union High School District of Shasta Charter Academy. See Shasta Community College Course Catalog for course descriptions.