



**GENERAL EDUCATION BREADTH LISTING  
COURSE DESCRIPTION**

**College of the Sequoias comparable course information in red**

<b>Course Number</b>	<b>Course Name</b>	<b>Unit Value</b>	<b>Course Description</b>
ENG 121 + ENG 122= ENGL 1	Composition and Reading Part A <b>College Reading &amp; Composition</b>	3.0 + 3.0 4.0	<p><b>ENG 121. Composition and Reading Part A (3 units)</b> This is the first in a 2-part college level English course. In this course, students will learn the foundation of critically reading and writing in a variety of rhetorical modes. Students will read various essays and literature, and apply critical analysis to their own writing. Students will practice all aspects of the writing process, and by the end of Part B, they will meet a goal of writing a minimum of 6000 words through a variety of assignments.</p> <p>001 College Reading &amp; Composition      4 Hours: 4 Lecture/Discussion ENGL 1 is a college freshman composition course that emphasizes expository writing, close reading, cogent thinking, familiarity with information technology, and research strategies. This course requires a substantial research component and writing of a minimum of 6,000 words. Students enrolled in ENGL 1 may access supplemental learning assistance by enrolling in ENGL 400, an open entry/open exit non-credit course. This course is approved for distance education format. Prerequisites: ENGL 251 or equivalent college course with "C" or better or eligibility as determined by COS placement procedures.</p>
ENG 122=	Composition and Reading Part B	3.0	<p><b>ENG 122. Composition and Reading Part B (3 units)</b> This course is the second portion of our college level English course. By building on the skills learned in Part A, students will continue to critically read and write in a variety of rhetorical modes. Students will read various essays and literature, and apply critical analysis to their own writing. In this course they will build information literacy skills through research, and describe the connection between effective communication and professionalism. Students will complete their goal of writing a minimum of 6000 words.</p>

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BIOL 10 = BIOL 30	HUMAN ANATOMY Human Anatomy	4.0 4.0	<p><b>BIOL 10. Human Anatomy (4 units)</b>            This course provides the study of human body structure including cellular, tissue, organ, and system levels of organization. Classroom instruction is supported by laboratory activities of models, charts, specimens, and mammalian (cat) dissection.</p> <p><b>BIOL 030 Human Anatomy 4</b>            Hours: 3 Lecture/Discussion 3 Lab            BIOL 30 is a general survey course designed to acquaint the beginning student with the anatomical principles necessary to understand the basic structure of the human body. This course is designed primarily for those entering the allied health field. This course is approved for Distance Education format.</p>
CHE 3 =CHEM 020	GENERAL CHEMISTRY Introduction to General Chemistry	4.0 4.0	<p><b>CHE 3. General Chemistry (4 units)</b>            This course focuses on composition of matter and physical and chemical changes; fundamental laws and principles; atomic and molecular structure; acid-base chemistry, redox, equilibria; qualitative and quantitative techniques and theory.</p> <p><b>CHEM 020 Introduction to General Chemistry 4</b>            Hours: 3 Lecture/Discussion 3 Lab            CHEM 20 is a one semester transferable college chemistry course designed to meet the needs of allied-health majors. The course is a study of the fundamental theories and laws of chemistry. The laboratory portion of the course involves experimentation and drawing conclusions from data. Advisory on Recommended Preparation: CHEM 253 or equivalent college course with a "C" or better and MATH 200 or equivalent college course with "C" or better or eligibility for MATH 230 as determined by COS Placement Procedures.</p>



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PHIL 1C =PHIL 005	ETHICS Ethics	3.0 3.0	<p><b>PHIL 1C. Ethics (3 units)</b>            This course provides an introduction to the ethical problems and issues in modern society. Students will discuss current events related to ethical issues and participate in group discussions.</p> <p style="color: red;">PHIL 005 Ethics 3            Hours: 3 Lecture/Discussion            A study of individual and societal moral choices with respect to issues such as lying, abortion, and euthanasia. Theoretical approaches include contract theory, utilitarianism, deontology and character ethics. Advisory and Recommended Preparation: ENGL 251 or equivalent college course with a grade of "C" or better, or eligibility for ENGL 1 as determined by placement procedures.</p>
SOC 1 =SOC 001	INTRO TO SOCIOLOGY Introduction to Sociology	3.0 3.0	<p><b>SOC 1. Introduction to Sociology (3 units)</b>            This course is a survey of social structure, theory, and its implications for individuals in a dynamic view of the environment. Cultures, family, organizations, groups, ethnic and political influences, and politics are the topics covered.</p> <p style="color: red;">SOC 001 Introduction to Sociology 3            Hours: 3 Lecture/Discussion            Introduction to Sociology 1 is an introductory course covering basic principles and concepts, including culture, personality, social inequality, institutions, population and ecology, and social change. Approved for Distance Learning format. Advisory on Recommended Preparation: ENGL 251 or equivalent college course with "C" or better or eligibility for ENGL 1 as determined by COS Placement Procedures.</p>

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PSY 1 =PSY 001	GENERAL PSYCHOLOGY General Psychology	3.0 3.0	<p><b>PSY 1. General Psychology (3 units)</b>            This course covers the study of human behavior, moral development, and psychological theory as it applies to the individual, group, and community. Behavioral disorders and treatment; social perceptions; emotions and motivation, social influence and group processes are topics included in this course.</p> <p><i>PSY 001 General Psychology 3</i>  <i>Hours: 3 Lecture/Discussion Equivalent Course: PSY 001H.</i></p> <p>This course is an introduction to the field of psychology through a study of the facts and principles involved in learning, development, motivation, personality, adjustment, and the physiological basis of behavior. The basic concepts and scientific method as employed in psychology are presented. Particular emphasis is placed on those concepts that relate to an understanding of human behavior. Advisory on Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures. Approved for Distance Learning format.</p>
BIOL 14 =BIOL 040	MICROBIOLOGY Microbiology	4.0 4.0	<p><b>BIOL 14. Microbiology (4 units)</b>            An introduction to microbiology covering the fundamental aspects of morphology, classification, genetics and reproduction, physiology, nutrition, growth and control, microbial metabolism, molecular biology and genetics. Emphasis will be on the diversity of the microbial world, including taxonomy and phylogeny, ecology and symbiosis, the pathogenicity of microbes and the immune response of the human body, as well as environmental and food microbiology. Basic techniques for culturing, staining, counting and identifying pathogenic and non-pathogenic microorganisms will be devoted during the laboratory sessions.</p> <p><i>BIOL 040 General Microbiology 4</i>  <i>Hours: 3 Lecture/Discussion 3 Lab</i></p> <p>This course is designed for students entering the health sciences, home economics, as well as the life sciences. This course covers microbial diversity,</p>

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			classification, identification, growth, control measures, disease interactions, genetics and applied microbiology. Advisory on Recommended Preparation: CHEM 20 or equivalent college course with "C" or better; and any college level biology course.
BIOL 45 =BIOL 31	HUMAN PHYSIOLOGY Human Physiology	5.0 4.0	<b>BIOL 45. Human Physiology (5 units)</b> The course provides the integrated study of the function of cells, organs, and systems in maintaining homeostasis. Physiological principles and concepts are supported with laboratory activity. <b>BIOL 031 Human Physiology 4</b> Hours: 3 Lecture/Discussion 3 Lab BIOL 31 is a course designed to acquaint the beginning student with enough physiological principles necessary to understand the basic functioning of the human body. Laboratory experiments and exercises are designed to reinforce theories and processes described in lecture and to introduce students to basic physiological scientific investigation. Advisory on Recommended Preparation: BIOL 30; and CHEM 1, 20, or 30, or equivalent college courses with "C" or better.
CHE 4 = CHEM 021	INTRODUCTION TO ORGANIC AND BIOCHEMISTRY Organic/Biological Chemistry	4.0 4.0	<b>CHE 4. Introduction to Organic and Biochemistry (4 units)</b> This course is designed for allied health majors and focuses on the basic structural, physical, and chemical properties of organic and biochemical compounds. Topics include hydrocarbons and the chemistry of organic functional groups, and properties of carbohydrates, lipids, and proteins. The role of these compounds in metabolism and energy is also discussed. <b>CHEM 021 Organic/Biological Chemistry 4</b> Hours: 3 Lecture/Discussion 3 Lab CHEM 21 is the second semester of a full year college chemistry course which meets the needs of the allied-health majors. Content focuses on structural configurations, properties and reactions of organic and biochemical compounds. Both qualitative and quantitative aspects of these are part of lecture and laboratory. Prerequisites: CHEM 020 or equivalent college course with "C" or better.



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SPC 1A = COMM 001	INTRODUCTION TO PUBLIC SPEAKING <b>Fundamentals/Public Speaking</b>	3.0 3.0	<p><b>SPC 1A. Introduction to Public Speaking (3 units)</b>            The theory and techniques of public speaking will be addressed in this course. Emphasis on the logical organization and composition of informative and persuasive speeches and practice in clearly stating and developing ideas will be covered. Techniques and tools for confidence building and reducing anxiety are also included in this course.  <b>COMM 001 Fundamentals/Public Speaking 3</b>            Hours: 3 Lecture/Discussion <i>Equivalent Course: COMM 001H, SPCH 001.</i>            COMM 1 is an introductory course in Public Speaking. This course covers a variety of formal public address styles and formats. This course offers students an opportunity to learn and practice specific skills needed for effective public speaking. Advisory on Recommended Preparation: ENGL 251 or equivalent college course with a grade of "C" or better, or eligibility for ENGL 1 as determined by COS Placement Procedures. Formerly SPCH 001.</p>
ECON 1 = ECON 040	INTRODUCTION TO ECONOMICS <b>Principles of Microeconomics</b>	3.0 3.0	<p><b>ECON 1. Introduction to Economics (3 units)</b>            This course provides a general introduction and overview of economics and the role economics plays in society today. Topics in the course include taxes, the roles of supply and demand, elasticity, productivity, GDP, unemployment, competitive pricing, and the role of money in the economy. Students will discuss the impact these topics have on our economy and society. Students will understand and illustrate how each person's daily decisions affect the economy.  <b>ECON 040 Principles of Microeconomics 3</b> Hours: 3 Lecture/Discussion  <i>Equivalent Course: ECON 002, ECON 40H.</i>            This is an introductory course focusing on choices of individual economic decision-makers. Topics include: scarcity, comparative advantage, market equilibrium, elasticity, cost theory, market structures, factor markets and market failure. This course is approved for Distance Education format. Advisory on Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.            Prerequisites: MATH 230 or MATH 235 or equivalent college course with "C" or better or eligibility for MATH 021 as determined by COS placement procedures.</p>