

## APPENDIX: SUMMARY OF CHANGES

\*Subject area title changes reflect language from EO 1100

Current SLO	Proposed SLO
<p><b>Area A: Basic Subjects:</b></p> <p>Minimum 9 semester units (one course in each subarea)</p> <p><b>A1: Oral Communication</b> (3 semester units)</p> <p>Upon completing this requirement students will:</p> <ol style="list-style-type: none"> <li>1. demonstrate mastery of writing a well-composed and mechanically competent essay consisting of an introduction, claim (thesis), support (argument), and conclusion.</li> <li>2. explain how the effectiveness of communication is influenced by the form, content, and context of someone’s writing.</li> <li>3. practice the discovery, critical evaluation, reporting, and appropriate citation of information.</li> </ol> <p><b>A2: Written Communication</b> (3 semester units)</p> <p>Upon completing this requirement students will:</p> <ol style="list-style-type: none"> <li>1. demonstrate mastery of writing a well-composed and mechanically competent essay consisting of an introduction, claim (thesis), support (argument), and conclusion.</li> <li>2. explain how the effectiveness of communication is influenced by the form, content, and context of someone’s writing.</li> <li>3. practice the discovery, critical evaluation, reporting, and appropriate citation of information.</li> </ol> <p><b>A3: Critical Thinking</b> (3 semester units)</p> <p>Upon completion of this requirement, students will be able to:</p> <ol style="list-style-type: none"> <li>1. identify the premises and conclusion of an argument and determine its validity and soundness.</li> <li>2. analyze, criticize and advocate ideas.</li> <li>3. distinguish deductive from inductive argument forms, identify their fallacies, and reason inductively and deductively.</li> <li>4. distinguish matters of fact from issues of judgment or opinion and reach well-supported factual or judgmental conclusions from a wide diversity of real world examples</li> </ol>	<p><b>*Area A: English Language Communication and Critical Thinking:</b></p> <p>Minimum 9 semester units (one course in each subarea)</p> <p><b>A1: Oral Communication</b> (3 semester units)  <b>A2: Written Communication</b> (3 semester units)</p> <p>Students taking courses in fulfillment of sub-areas A1 and A2 will be able to:</p> <ul style="list-style-type: none"> <li>• Develop knowledge and understanding of the form, content, context, and effectiveness of communication.</li> <li>• Develop proficiency in oral and written communication in English, examining communication from rhetorical perspectives, and practicing reasoning and advocacy, organization, and accuracy.</li> <li>• Practice the discovery, critical evaluation, and reporting of information, as well as reading, writing, and listening effectively.</li> <li>• Actively participate and practice both written communication and oral communication in English.</li> </ul> <p><b>A3: Critical Thinking</b> (3 semester units)</p> <p>Students taking courses in fulfillment of subarea A3 will be able to:</p> <ul style="list-style-type: none"> <li>• Understand logic and its relation to language; elementary inductive and deductive processes, including an understanding of the formal and informal fallacies of language and thought; and the ability to distinguish matters of fact from issues of judgment or opinion.</li> <li>• Develop the ability to analyze, criticize, and advocate ideas; to reason inductively and deductively; and to reach well-supported factual or judgmental conclusions.</li> </ul>

## Area B: Math & Science

### Lower Division Outcomes:

Minimum 9 semester units (one course in each subarea)

**B1: Physical Science** (3 semester units)

**B2: Life Science** (3 semester units)

**B3: Laboratory Activity** (associated with a course taken to satisfy either B1 or B2)

Upon completing this requirement students will be able to:

1. apply scientific concepts and theories to develop scientific explanations of natural phenomena.
2. critically evaluate conclusions drawn from a particular set of observations or experiments.
3. demonstrate their understanding of the science field under study through proper use of the technical/scientific language, and the development, interpretation, and application of concepts.

**B4: Mathematics/Quantitative Reasoning** (3 semester units)

Upon completing this requirement students will be able to:

1. use skills beyond the level of intermediate algebra to solve problems through quantitative reasoning.
2. apply mathematical concepts and quantitative reasoning to problems.

### Upper Division Outcomes:

Minimum 3 semester units\*

**B1: Physical Science** (3 semester units)

**B2: Life Science** (3 semester units)

**B3: Laboratory Activity** (associated with a course taken to satisfy either B1 or B2)

Upon completing this requirement students will be able to:

1. apply scientific concepts and theories to develop scientific explanations of natural phenomena.
2. critically evaluate conclusions drawn from a particular set of observations or experiments.
3. discuss value systems and ethics associated with scientific endeavors

## Area B: Scientific Inquiry and Quantitative Reasoning

Minimum of 12 semester units (3 must be at the upper division level\*)

**B1: Physical Science** (3 semester units)

**B2: Life Science** (3 semester units)

**B3: Laboratory Activity** (associated with a course taken to satisfy either B1 or B2)

**B4: Mathematics/Quantitative Reasoning** (3 semester units)

Students taking courses in fulfillment of subarea B1-B3 will be able to:

- Develop knowledge of scientific theories, concepts, and data about both living and non-living systems.
- Apply and evaluate scientific principles and the scientific method.
- Apply and evaluate the potential limits of scientific endeavors and the value and ethics associated with the human conditions and the natural world.

Students taking courses in fulfillment of subarea B4 will be able to:

- Explain and apply basic mathematical concepts and solve problems through quantitative reasoning.
- Develop skills and understanding beyond the level of intermediate algebra.

\* The following majors have Upper Division Area B requirements incorporated into the major requirements: Biochemistry and Chemistry, Biology, Fisheries Biology, Kinesiology, Oceanography, Rangeland Resource Sciences, Physics and Physics Astronomy (BS options only)

**Area C: Arts and Humanities**

**Lower Division Outcomes:**

Minimum 9 semester units (one course in each subarea)

Upon completing this requirement students will:

1. apply discipline-specific vocabulary and central discipline-specific concepts and principles to a specific instance, literary work or artistic creation.
2. respond subjectively as well as objectively to aesthetic experiences and will differentiate between emotional and intellectual responses.
3. explain the nature and scope of the perspectives and contributions found in a particular discipline within the Arts and Humanities as related to the human experience, both individually (theirs) and collectively.
4. Arts-specific SLO: demonstrate an understanding of the intellectual, imaginative, and cultural elements involved in the creative arts through their (or, "as a result of their") participation in and study of drama, music, studio art and/or creative writing.
5. Humanities-specific SLO: discuss the intellectual, historical, and cultural elements of written literature through their study of great works of the human imagination.

**Upper Division Outcomes:**

Minimum 3 semester units (one course in each subarea)

Upon completing this requirement students will:

1. apply discipline-specific vocabulary and central discipline-specific concepts and principles to a specific instance, literary work or artistic creation.
2. respond subjectively as well as objectively to aesthetic experiences and will differentiate between emotional and intellectual responses.
3. explain the nature and scope of the perspectives and contributions found in a particular discipline within the Arts and Humanities as related to the human experience, both individually (theirs) and collectively.
4. Arts-specific SLO: demonstrate an understanding of the intellectual, imaginative, and cultural elements involved in the creative arts through their (or, "as a result of their") participation in and study of drama, music, studio art and/or creative writing.
5. Humanities-specific SLO: discuss the intellectual, historical, and cultural elements of written

**Area C: Arts and Humanities**

Minimum of 12 semester units (3 must be at the upper division level)

Coursework that exclusively emphasize skills development are excluded from Area C; however, activities may include participation in individual aesthetic and creative experiences.

At least one course completed in each of these two subareas:

**C1 Arts: Arts, Cinema, Dance, Music, and Theater**

**C2 Humanities: Literature, Philosophy, and Languages Other than English**

Students taking courses in fulfillment of Area C will be able to:

- Cultivate intellect, imagination, sensibility, and sensitivity.
- Develop an understanding of the integrity of both emotional and intellectual responses.
- Cultivate and refine their affective, cognitive, and physical faculties through studying art, history, philosophy, literature, and great works of the human intellect.
- Develop a better understanding of the interrelationship between the self and the creative arts and of the humanities in a variety of cultures.

In addition to the above outcomes students taking courses in fulfillment of Area C 1 will be able to:

- Demonstrate depth and breadth of knowledge of the intellectual, imaginative, and cultural elements of the creative arts through the study and participation in drama, music, studio art, and/or creative writing.

In addition to the above outcomes students taking courses in fulfillment of Area C 2 will be able to:

- Demonstrate depth and breadth of knowledge of the historical, intellectual, imaginative, and cultural elements of the humanities through the study of history, literature, philosophy, and language.

<p>literature through their study of great works of the human imagination.</p>	
<p><b>Area D: Social Sciences</b></p> <p><b><u>Lower Division Outcomes:</u></b> Minimum of 9 semester units*</p> <p>Upon completing this requirement students will:</p> <ol style="list-style-type: none"> <li>1. apply the discipline-specific vocabulary, principles, methodologies, value systems and ethics employed in social science inquiry, to a specific instance.</li> <li>2. explain and critically analyze human social, economic, and political issues from the respective disciplinary perspectives by examining them in contemporary as well as historical settings and in a variety of cultural contexts.</li> <li>3. illustrate how human social, political and economic institutions and behavior are inextricably interwoven.</li> </ol> <p><b><u>Upper Division Outcomes:</u></b> Minimum of 3 semester units</p> <p>Upon completing this requirement students will:</p> <ol style="list-style-type: none"> <li>1. apply the discipline-specific vocabulary, principles, methodologies, value systems and ethics employed in social science inquiry, to a specific instance.</li> <li>2. explain and critically analyze human social, economic, and political issues from the respective disciplinary perspectives by examining them in contemporary as well as historical settings and in a variety of cultural contexts.</li> <li>3. illustrate how human social, political and economic institutions and behavior are inextricably interwoven.</li> </ol>	<p><b>Area D: Social Sciences</b></p> <p>Minimum of 12 semester units (3 must be a the upper division level)*</p> <p>Courses that emphasize skills development and professional preparation are excluded from Area D. Coursework taken in fulfillment of this requirement must be taught from more than one disciplinary perspective dealing with human social, political, and economic institutions and behavior and their historical background. Students learn from courses in multiple Area D disciplines that human social, political and economic institutions and behavior are inextricably interwoven.</p> <p>Students taking courses in fulfillment of Area D will be able to:</p> <ul style="list-style-type: none"> <li>• Analyze social phenomena from multiple disciplinary perspectives.</li> <li>• Analyze social phenomena considering contemporary, historical and cultural contexts.</li> <li>• Apply the principles, methodologies, and ethics employed in social scientific and historical inquiry.</li> </ul>

<p><b>Area E: Lifelong Learning and Self-Development</b></p> <p>Minimum 3 semester units</p> <p>Upon completing this requirement students will:</p> <ol style="list-style-type: none"> <li>1. Students will explain and demonstrate an appreciation for the nature of being human as an integration of physiological, psychological, and socio-cultural influences.</li> <li>2. Students will demonstrate preparation for the lifelong and complex process of selfunderstanding, self-analysis, and self-development as an individual among others.</li> </ol>	<p><b>Area E: Lifelong Learning and Self-Development</b></p> <p>Minimum 3 semester units</p> <p>Courses in Area E may follow a Freshman Year Experience (FYE) design to equip learners for lifelong understanding and development of themselves as integrated physiological, social, and psychological beings.</p> <p>Students taking courses in fulfillment of Area E will:</p> <ul style="list-style-type: none"> <li>• Explain and demonstrate an understanding of the nature of being human as an integration of physiological, psychological, and sociocultural influences.</li> <li>• Demonstrate a preparation for the lifelong and complex process of self-understanding, self-analysis, and self-development as an individual among others.</li> </ul>

<p><b>American Institutions</b></p> <p>Minimum of 6 semester units</p> <p>At least one course completed in each of these two subareas:</p> <p><b>United States History</b></p> <p>Upon completing this requirement students will be able to:</p> <ol style="list-style-type: none"> <li>1. explain significant events covering a time span of at least 100 years of US history, including the relationships of US regions and relationships with foreign nations.</li> <li>2. analyze the roles of major ethnic and social groups in the significant events above, and the contexts in which those events have occurred.</li> <li>3. explain how these events illustrate both the continuity of “the American experience” and its derivation from other cultures by considering at least 3 of the following: politics, economics, social movements, and geography.</li> </ol> <p><b>U.S. &amp; California Government</b></p> <p>Upon completing this requirement students will be able to:</p> <ol style="list-style-type: none"> <li>1. distinguish the key philosophies of the framers of the U.S. Constitution.</li> <li>2. demonstrate an understanding of the nature and operation of major U.S. political institutions and processes.</li> <li>3. identify the liberties, rights, and responsibilities of citizens under the political system established by the U.S. Constitution.</li> <li>4. demonstrate an understanding of the California Constitution and state and local government within the framework of evolving Federal-State relations.</li> </ol>	<p><b>American Institutions</b></p> <p>Minimum of 6 semester units*</p> <p>At least one course completed in each of these two subareas:</p> <p><b>United States History</b></p> <p>Students taking courses in fulfillment of U.S. History will be able to:</p> <ul style="list-style-type: none"> <li>• Explain significant events covering a time span of at least 100 years of U.S. history, including the relationships of U.S. regions and relationships with foreign nations.</li> <li>• Analyze the role of major ethnic and social groups in the significant events above, and the contexts in which those events have occurred.</li> <li>• Explain how these events illustrate both the continuity of “the American experience” and its derivation from other cultures by considering at least three of the following: politics, economics, social movements, and geography.</li> </ul> <p><b>U.S. &amp; California Government</b></p> <p>Students taking courses in fulfillment of U.S. &amp; California Government will be able to:</p> <ul style="list-style-type: none"> <li>• Distinguish the key philosophies of the framers of the U.S. Constitution.</li> <li>• Demonstrate an understanding of the nature and operation of major U.S. political institutions and processes.</li> <li>• Identify the liberties, rights, and responsibilities of citizens under the political system established by the US Constitution.</li> <li>• Demonstrate and understanding of the California Constitution and state and local government within the framework of evolving federal-state relations.</li> </ul> <p>*Students may elect to use one institutions course to substitute one course in D6: History or D8: Political Science. Only one institutions course can be used to</p>

	satisfy GE Area D requirements. See List of American Institutions courses.
<p><b>Diversity &amp; Common Ground (DCG)</b></p> <p>Minimum of 6 semester units</p> <p>At least one course must be designated domestic DCG.</p> <p>Students taking courses in fulfillment of DCG will be able to:</p> <p>Analyze the complexity of diversity through the perspective of differential power and privilege, identity politics, and/or multicultural studies.</p>	<p><b>Diversity &amp; Common Ground (DCG)</b></p> <p>Minimum of 6 semester units</p> <p>At least one course must be designated domestic DCG.</p> <p>Students taking courses in fulfillment of DCG will be able to:</p> <ul style="list-style-type: none"> <li>• Analyze the complexity of diversity through the perspective of differential power and privilege, identity politics, and/or multicultural studies.</li> </ul>