

General Education: Student Learning Outcomes Revision – Ratified by Faculty Senate, November 8, 2022

Former SUNY Cortland GE Category	GE Category names starting fall 2023	SUNY Cortland Current Student Learning Outcomes (SLOs)	Approved SLOs starting fall 2023
GE 10 Basic Communication	Communication – Written and Oral	<p>Students will</p> <ol style="list-style-type: none"> 1. be able to produce coherent texts within common college-level written forms; 2. demonstrate the ability to revise and improve their written texts; 3. demonstrate the ability to research a topic, develop an argument and organize supporting details; 4. develop proficiency in oral discourse; 5. demonstrate the ability to evaluate an oral presentation according to established criteria. 	<p>Students will:</p> <ol style="list-style-type: none"> 1. produce coherent texts within common college-level written forms; 2. revise and improve their written texts. 3. demonstrate the ability to research a topic, develop an argument and organize supporting details; 4. demonstrate proficiency in oral discourse; 5. evaluate an oral presentation according to established criteria; 6. demonstrate the ability to evaluate communication for substance, bias, and intended effect
GE 11 Prejudice and Discrimination	Diversity: Equity, Inclusion, and Social Justice	<p>Students will demonstrate an understanding of</p> <ol style="list-style-type: none"> 1. how power, bias, prejudice and discrimination can affect society's values, attitudes and institutions; 2. approaches that address barriers and foster greater equity and inclusivity. 	<p>Students will:</p> <ol style="list-style-type: none"> 1. demonstrate the ability to describe historical and contemporary societal factors that shape the development of individual and group identity involving race, class, and gender; 2. analyze the role that social structures and systems play in the creation and perpetuation of the dynamics of power, privilege, oppression, and opportunity; 3. apply the principles of rights, access, equity, and autonomous participation to social justice action.
GE 1 Quantitative Skills	Mathematics (and Quantitative Reasoning)	<p>Students will demonstrate the ability</p> <ol style="list-style-type: none"> 1. to interpret and draw inferences from mathematical models such as formulas, graphs, tables and schematics; 2. to represent mathematical information symbolically, visually, numerically and verbally; 3. to employ quantitative methods, such as arithmetic, algebra, geometry or statistics, to solve problems; 4. to estimate and check mathematical results for reasonableness; 5. to recognize the limits of mathematical and statistical methods. 	<p>Students will:</p> <ol style="list-style-type: none"> 1. interpret and draw inferences from appropriate mathematical models such as formulas, graphs, tables, or schematics; 2. represent mathematical information symbolically, visually, numerically, or verbally as appropriate; 3. employ quantitative methods such as arithmetic, algebra, geometry, or statistics to solve problems.

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GE 2 Natural Science	Natural Sciences (and Scientific Reasoning)	<p>Students will demonstrate</p> <ol style="list-style-type: none"> 1. an understanding of the methods scientists use to explore natural phenomena, including observation, hypothesis development, measurement and data collection, experimentation, evaluation of evidence, and employment of mathematical analysis; 2. knowledge of the principles of one or more of the natural sciences; 3. the ability to apply scientific data, concepts and models in one or more of the natural sciences, and relate the relevant technology and principles they have studied to modern life. 	<p>Students will:</p> <ol style="list-style-type: none"> 1. demonstrate an understanding of the methods scientists use to explore natural phenomena, including observation, hypothesis development, measurement and data collection, experimentation, evaluation of evidence, and employment of mathematical analysis; 2. demonstrate knowledge of the principles of one or more of the natural sciences. 3. demonstrate the ability to apply scientific data, concepts and models in one or more of the natural sciences, and relate the relevant technology and principles they have studied to modern life.
GE 7 Humanities	Humanities	<p>Students will</p> <ol style="list-style-type: none"> 1. be able to critically respond to works in the humanities; 2. be able to discuss major human concerns as they are treated in the humanities; 3. demonstrate an understanding of the conventions and methods of at least one area in the humanities. 	<p>Students will:</p> <ol style="list-style-type: none"> 1. demonstrate knowledge of the conventions and methods of at least one of the humanities; 2. apply the methods of at least one area in the humanities by recognizing and analyzing nuance and complexity of meaning through critical reflections on written texts, visual images, sonic expressions, or other materials.
GE 3 Social Science	Social Sciences	<p>Students will demonstrate</p> <ol style="list-style-type: none"> 1. an understanding of the methods social scientists use to explore social phenomena, including observation, hypothesis development, measurement and data collection, experimentation, evaluation of evidence, and employment of mathematical and interpretive analysis; 2. knowledge of major concepts, models and issues of at least one discipline in the social sciences. 	<p>Students will:</p> <ol style="list-style-type: none"> 1. describe major concepts and theories of at least one discipline in the social sciences; 2. demonstrate understanding of the methods social scientists use to explore social phenomena.
GE 8 The Arts	The Arts	<p>Students will demonstrate an understanding of</p> <ol style="list-style-type: none"> 1. at least one principal form of artistic expression and the creative process inherent therein; 2. the significance of artistic expression in past and/or present civilizations. 	<p>Category Description: The goal of this category is to engage students in self-reflective practices within the arts. Courses in this category will help students develop an awareness of the creative process as a system of inquiry in which aesthetic elements are involved (ex: studio art, design, emerging media, creative writing, music composition or performance, directing or stagecraft).</p>

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			<p>Students will:</p> <ol style="list-style-type: none"> 1. apply the methods used to study and critique an artistic medium and its physical practice that informs, persuades, or otherwise engages with an audience; 2. establish knowledge of diverse histories and/or contemporary practices within the arts; 3. develop and articulate an understanding of creative expression in terms of its social, political, cultural, aesthetic and historical context.
GE 4 United States History and Society	US History and Civic Engagement	<p>Students will demonstrate</p> <ol style="list-style-type: none"> 1. knowledge of a basic narrative of American history, such as political, economic, social and cultural, including knowledge of unity and diversity in American society; 2. an understanding of state and mediating institutions in American society and how they have affected different groups, including ethnic minorities and women; 3. an understanding of America's evolving relationship with the rest of the world. 	<p>Students will:</p> <ol style="list-style-type: none"> 1. demonstrate knowledge of a basic narrative of American history, such as political, economic, social and cultural, including knowledge of unity and diversity in American society; 2. demonstrate understanding of state and mediating institutions in American society and how they have affected different groups, including ethnic minorities and women; 3. demonstrate an understanding of America's evolving relationship with the rest of the world.
GE 6 Contrasting Cultures	World History and Global Awareness	<p>Students will be able to</p> <ol style="list-style-type: none"> 1. demonstrate an understanding of the distinctive features of the history, institutions, economy, society, culture, etc. of one non-western civilization; 2. compare and/or contrast another contemporary culture or other contemporary cultures with the dominant themes of U.S. culture; 3. demonstrate an understanding of cultural differences in world views, traditions, cultural institutions, values, social systems, languages and means of communication. 	<p>Students will:</p> <ol style="list-style-type: none"> 1. demonstrate knowledge of a broad outline of world history and/or the development of the distinctive features of at least one non-Western or Indigenous civilization or culture in relation to other regions of the world; 2. demonstrate understanding of the structures, systems, and interrelationships among civilizations and cultures within historical and/or contemporary contexts, and their impact on environmental, social, or economic sustainability.
GE 9 Foreign Language Requirement	World Languages	<p>Students will demonstrate</p> <ol style="list-style-type: none"> 1. basic proficiency in the understanding and use of a foreign language; 2. an understanding of the distinctive features of culture(s) associated with the language they are studying. 	<p>Students will:</p> <ol style="list-style-type: none"> 1. demonstrate basic proficiency in the understanding and use of a foreign language; 2. demonstrate an understanding of the distinctive features of culture(s) associated with the language they are studying.

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GE 12 Science, Technology, Values and Society	Science, Technology, Values and Society	Students will demonstrate an understanding of <ol style="list-style-type: none"> 1. the manner in value judgements are justified and how interpretation of technical information can lead to different conclusions; 2. issues at the interface of science, technology and society and how the methods of science and scientific data are understood in the context of social issues. 	Note: no change to local SUNY Cortland GE category SLOs (see current SLOs for this category)
Critical Thinking Competency	Critical Thinking and Reasoning	Used SUNY previous outcomes	Students will: <ol style="list-style-type: none"> 1. demonstrate the ability to clearly articulate an issue or problem; 2. identify, analyze and evaluate ideas, data, and arguments as they occur in their own or others' work; 3. acknowledge limitations such as perspective and bias; 4. develop well-reasoned (logical) arguments to form judgments and/or draw conclusions.
Information Literacy	Information Literacy		Students will: <ol style="list-style-type: none"> 1. demonstrate an understanding and use of basic research techniques in order to locate information; 2. evaluate information, in order to select the best resources for their information needs; 3. recognize the ethical dimensions of information use, creation, and dissemination in order to responsibly create content.