

## The Cortland General Education Program

The NEW Cortland General Education Program fulfills all SUNY General Education requirements and includes additional elements specific to the Cortland degree. Students will take one course in each of the learning outcome categories (listed on the link below) with the exception of (Category 2) Natural Sciences in which they must take two courses, (Category 9) Foreign Language where the requirement depends on degree program, and (Category 10) Basic Communication in which they must complete both academic writing and presentation skills areas. Double counting, or the use of a single course to satisfy more than one category, is allowed but is subject to the following limitations: (a) no course used by an individual student to satisfy the humanities category may be used to satisfy another subject category, and (b) no single course may in any case be used to satisfy more than two General Education categories.

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|--|---|
| 1. Quantitative Skills                       | 8. The Arts   |
| 2. Natural Sciences (TWO course requirement) | 9. Foreign Language (refer to degree program)                               |
| 3. Social Sciences                           | 10. Basic Communication:<br>Academic Writing <b>and</b> Presentation Skills |
| 4. United States History and Society         | 11. Prejudice and Discrimination  |
| 5. Western Civilization                      | 12. Science, Technology, Values and Society                                 |
| 6. Contrasting Cultures                      | 13. Natural Science (second science course)                                 |
| 7. Humanities                                |   |

### **Transfer courses:**

Any approved SUNY General Education course taken at another institution will be accepted into the related Cortland General Education category. Courses from non-SUNY institutions and courses for Cortland categories 11 (Prejudice and Discrimination) and 12 (Science, Technology, Values and Society) may also be transferred, providing that they meet the learning outcomes of these categories. Natural sciences courses that provide a survey of a traditional discipline with a laboratory will be accepted into category 13; all others will be accepted into category 2.

**Transfer students may be granted up to three waivers that can be applied toward meeting the requirements in Category 11, Category 12, and one of the Natural Science course requirements reflected in Category 13. Transfer students may be eligible for waivers based on the number of transfer credits completed at the time of entry to SUNY Cortland according to the following criteria:**

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|----------------------------------|---|
| <b><u>20 - 34.5 credits</u></b>  | students entering SUNY Cortland will be eligible for one (1) waiver.    |
| <b><u>35 - 49.5 credits</u></b>  | students entering SUNY Cortland will be eligible for two (2) waivers.   |
| <b><u>50 or more credits</u></b> | students entering SUNY Cortland will be eligible for three (3) waivers. |

### **1. QUANTITATIVE SKILLS**

The goal of this category is to develop mathematical and quantitative reasoning skills.

**LEARNING OUTCOMES:** Students will demonstrate the ability: 1.) to interpret and draw inferences from mathematical models such as formulae, 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; and 5.) to recognize the limits of mathematical and statistical methods.

**REQUIREMENT:** Students will complete one course to fulfill this category: **COM 230; ECO 221, 222; EXS 201; GLY 281; GRY 400; HLH 299, 391; MAT 101 & 102, 105, 111, 115, 121, 135, 201, 224; PED 434; POL 112, 312; PSY 201; SOC 494.**

## **2. NATURAL SCIENCES**

The goal of this category is to provide students with an understanding of the process of scientific inquiry, some of the major scientific theories, and their application to modern life. Students will practice the methods of science in a laboratory experience. **TWO course requirement.**

**LEARNING OUTCOMES:** Students will demonstrate: 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; and 3.) the application of 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.

**REQUIREMENT: TWO courses,** students will complete either two “A” courses; OR, one “A” AND one “B” course to fulfill the Natural Science requirement.

“**A**” **courses** provide a survey of one or more of the traditional natural science disciplines and include a laboratory experience: **BIO** 110, 201, 202; **CHE** 121, 221, 222; **GLY** 171, 261; **PHY** 105, 106, 201, 202; **SCI** 141.

“**B**” **courses** provide breadth or depth in the natural sciences and must fulfill at least Learning Outcome 3 of this category: **BIO** 111; **CHE** 122, 125; **GLY** 160, 172, 262; **PHY** 150; **SCI** 142.

## **3. SOCIAL SCIENCES**

The goal of this category is to familiarize students with the methodology of social scientists and provide substantial introduction to a social science discipline.

**LEARNING OUTCOMES:** Students will demonstrate 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.

**REQUIREMENT:** Students will complete one course to fulfill this category: **ANT** 102\*, 300\*; **ECO** 105\*; **EST** 100\*; **GRY** 125\*, 370\*; **HLH** 111\*; **MUS** 101\*; **POL** 100\*, 101\*, 242\*; **PSY** 101; **SCI** 300\*, 304\*, 320\*; **SOC** 150\*, 350\*.

## **4. UNITED STATES HISTORY and SOCIETY**

The goal of this category is to familiarize students with the history and nature of the American state and society by examining relationships within and among the elements of that state and society, including governing structures or policies, formal and informal institutions, and the public.

**LEARNING OUTCOMES:** Students will demonstrate 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 common 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; and 4.) Will demonstrate an understanding of the American Republic by examining relationships among the state, intermediary institutions, and civil society.

### **REQUIREMENT:**

Students with a score of **84 or less** on the American History Regents Exam must take one of the following courses: **HIS** 200 or **HIS** 201 or **SOC** 100.

Students with a score of **85 or higher** must take one course, chosen from either the list above or the following: **ECO** 105\*; **POL** 100\*; **SOC** 150\*.

## **5. WESTERN CIVILIZATION**

The goal of this category is to provide students with an understanding of the history and development of the distinctive features of Western civilization and relate the development of Western civilization to that of other regions of the world. Courses in this category will address the ways in which social, political, economic, geopolitical

and/or intellectual movements have affected how members of the contemporary world think, act, and organize their lives.

**LEARNING OUTCOMES:** Students will be able to: 1.) describe within an historical context major Western political, geopolitical, economic, social, and/or intellectual developments; 2.) analyze the relationship between the development of ideas and historical change in Western and other regions of the world; and 3.) discuss distinctive features of contemporary Western civilization in terms of such areas as history, institutions, economy, society and culture.

**REQUIREMENT:** Students will complete one course to fulfill this category: **COM** 200; **HIS** 100\*, 101\*, 110, 111; **INT** 301; **PHI** 201, 202, 240; **POL** 102, 270; **SOC** 350\*.

## **6. CONTRASTING CULTURES**

The goal of this category is to provide students with an understanding of non-Western cultures and societies. It is intended to provide a counterpoint to the European focus of the Western Civilization category and explore the distinctive features of one non-western civilization. Courses in this category would be non-European and non-US in focus.

**LEARNING OUTCOMES:** Students will be able to: 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 US culture; and 3.) demonstrate an understanding of cultural differences in world views, traditions, cultural institutions, values, social systems, languages and means of communication.

**REQUIREMENT:** Students will complete one course to fulfill this category: **ANT** 102\*; **AST** 200; **GRY** 120\*, 125\*; **HLH** 111\*; **MUS** 101\*; **POL** 101\*; **REC** 150; **RLS** 200; **SPA** 318.

## **7. HUMANITIES**

The goal of this category is to help students appreciate and understand the humanities. Courses in this category will address a humanities discipline through a variety of resources and critical approaches.

**LEARNING OUTCOMES:** Students will: 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; and 3.) demonstrate an understanding of the conventions and methods of at least one area in the humanities.

**REQUIREMENT:** Students will complete one course to fulfill this category: **AAS** 251; **COM** 233; **ENG** 200, 202, 203, 204, 220, 221, 250, 251, 256, 257, 260, 261, 262, 263, 280; **FLT** 399; **FRE** 311, 315, 316; **ICC** 201; **JST** 250; **PHI** 100, 271; **PWR** 399; **SPA** 313, 315, 317.

## **8. THE ARTS**

The goal of this category is to help students develop an awareness of the arts as a system of inquiry in which aesthetic elements are involved. Courses in this category will help students understand the creative process, be broadly based within or among the areas of the arts and provide this breadth through an historical approach or participation in the creative process. Students will explore the idea that important learning experiences can take place through the use of senses and imagination.

**LEARNING OUTCOMES:** Students will demonstrate an understanding of: 1.) at least one principal form of artistic expression and the creative process inherent therein; and 2.) the significance of artistic expression in past and/or present civilizations.

**REQUIREMENT:** Students will complete one course to fulfill this category: **ATS** 101, 102, 103, 104, 106, 107, 108, 112, 208; **ATH** 120, 121, 122, 223; **INT** 300; **IST** 100; **MUS** 100, 111, 221, 222, 223; **PWR** 212, 213, 315; **THT** 100, 161, 162.

## **9. FOREIGN LANGUAGE**

The goal of this category is to develop familiarity with a foreign language.

**LEARNING OUTCOMES:** Students will demonstrate: 1.) basic proficiency in the understanding and use of a foreign language; and 2.) an understanding of the distinctive features of culture(s) associated with the language they are studying.

**REQUIREMENT:** See section of catalog on Foreign Languages for program-specific requirements. The following courses have been approved: **ARA** 101, 102, 201,202; **ASL** 101, 102, 201, 202; **CHI** 101, 102, 201, 202; **FRE** 101, 102, 201, 202; **GER** 101, 102, 201, 202; **ITA** 101, 102, 201, 202; **SPA** 101, 102, 201, 202.

## **10. BASIC COMMUNICATION**

The goal of this category is to develop written and oral communication skills. This category consists of Academic Writing and Presentation Skills.

**LEARNING OUTCOMES:** Students will: 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; and 5.) demonstrate the ability to evaluate an oral presentation according to established criteria.

**REQUIREMENT:** **CPN** 100 & 101 or **CPN** 102 & 103; **and** one of the courses fulfilling the **Presentation Skills Requirement** from the following: **AED** 392, 437, 438; **ANT** 312, 406; **ATS** 203, 204, 206, 209, 241, 303, 304, 306, 308, 330, 342, 343, 408; **BIO** 411, 422, 516; **CAP** 380; **COM** 210, 302, 304, 380; **CON** 460; **CRM** 464; **ECE** 479; **EDU** 255, 478, 479, 488; **ENG** 252, 374; **EXS** 410, 490; **FSA** 101; **FRE** 319; **GLY** 262; **HIS** 290, 490; **IST** 400; **MGT** 454; **PHI** 271; **PHY** 410; **POL** 304, 404, 483, 484; **PSY** 482; **PWR** 213; **SOC** 370, 464; **SPA** 306; **SPM** 466; **THT** 162, 461.

## **11. PREJUDICE and DISCRIMINATION**

The goal of this category is for students to reflect critically about the nature and impact of prejudice and discrimination. Courses could address the individual and institutional nature of prejudice and discrimination in the American and/or global context; examine various aspects of prejudice and discrimination from multiple intellectual perspectives; examine the factors upon which prejudice and discrimination may be based (e.g., race, gender as well as class, ethnicity, religion, age, sexual orientation, disability).

**LEARNING OUTCOMES:** Students will demonstrate an understanding of: 1.) issues such as power and bias as they relate to prejudice and discrimination and how these issues have determined attitudes, institutions, dominance and sub-dominance; and 2.) how various beliefs can lead to conflicting conclusions about a society and its norms, values, and institutions.

**REQUIREMENT:** Students will complete one course to fulfill this category: **AAS** 110, 120, 210, 431; **ANT** 230, 234; **CIN** 210; **COM** 431; **FSA** 103; **ENG** 252, 254; **EXS** 290; **GRY** 221; **HLH** 163, 201; **MGS** 230; **MUS** 110; **PHI** 140; **POL** 110; **PSY** 210; **REC** 293; **SOC** 230, **WST** 100.

## **12. SCIENCE, TECHNOLOGY, VALUES and SOCIETY**

The goal of this category is for students to reflect critically on problems that involve ethical or values-based judgments of technical information and/or issues that arise at the interface of science and society.

**LEARNING OUTCOMES:** Students will demonstrate an understanding of: 1.) the manner in which value judgments are justified and how interpretation of technical information can lead to different conclusions, and/or 2.) issues at the interface of science and society that impact the modern world.

**REQUIREMENT:** Students will complete one course to fulfill this category: **ANT** 322, 300\*; **ECE** 315; **EDU** 315; **EST** 100\*; **GRY** 301, 370\*; **PHI** 135; **POL** 242\*, 342; **PWR** 209; **REC** 310; **SCI** 180, 300\*, 304\*, 310, 320\*, 325, 360; **SOC** 322, 335.

### 13. NATURAL SCIENCE (second course)

The goal of this category is to provide students with an understanding of the process of scientific inquiry, some of the major scientific theories, and their application to modern life. Students will practice the methods of science in a laboratory experience.

**LEARNING OUTCOMES:** Students will demonstrate: 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; and 3.) the application of 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.

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“**B**” courses provide breadth or depth in the natural sciences and must fulfill at least Learning Outcome 3 of this category: **BIO** 111; **CHE** 122, 125; **GLY** 160, 172, 262; **PHY** 150; **SCI** 142.

**NOTE:** A course may initially appear in CAPP in Category 2 until another “A” or “B” Natural Science course is taken.

\* Course is approved for more than one learning outcome category.

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