

CWU GENERAL EDUCATION REQUIREMENTS (Basic & Breadth) 2007-2008

BASIC REQUIREMENTS (A – F)

Choose one course from each area (A – F). Students must complete all Basic Requirements (except foreign language) prior to accumulating 75 credits. All classes are five credits unless otherwise indicated.

- A.** University 101 (Advising course required for freshmen only) – 1 credit
- B.** English 101 **and** 102 (both required) – Composition – 4 credits
- C.** Math 101 – *Math in the Modern World*
Math 153 – *Pre-Calculus I*
Math 154 – *Pre-Calculus II*
Math 164 – *Foundations of Arithmetic*
Math 170 – *Intuitive Calculus*
Math 172 – *Calculus*
- D.** Computer Science 105 – *Logical Basis of Computing*
Math 102 – *Mathematical Decision Making*
Math 130 – *Finite Math*
Philosophy 201 – *Introduction to Logic*
- E.** Foreign Language – 2 years in high school or 1 year in college
- F.** Computer Science 101 – *Computer Basics*
Information Technology 101 – *Computer Applications*

BREADTH REQUIREMENTS (G – O)

Choose one course from each of the nine specific areas (G - O) Choose three different departments in each main area. For example, do not select *History 144* (**J**) and *History 103* (**K**). Include 4 writing (W) courses.

ARTS AND HUMANITIES AREA (G, H, I)

- G. Literature and the Humanities** (C- or above in English 101 required)
English 105 – *Introduction to Literature* – 4 credits (W)
English 110 – *Black Performative Culture in US/Global Context* (W)
English 247 – *Multicultural Literature* – 4 credits (W)
English 347 – *Global Perspectives in Literature* – 4 credits (W)
Humanities 101 – *Exploring Cultures-Ancient World* (W)
Humanities 102 – *Exploring Cultures-16th-19th Centuries* (W)
Humanities 103 – *Exploring Cultures-Modern Societies* (W)

H. The Aesthetic Experience

- Art 101 – *Introduction to Western Art*
- Art 102 – *Introduction to Non-Western Art*
- Film / Video Studies 250 – *Intro to Film / Video Studies* – 4 cr. (W)
- Music 101 – *History of Jazz*
- Music 102 – *Introduction to Music*
- Physical Education 161 – *Cultural History of Dance* – 4 credits
- Theatre 101 – *Appreciation of Theatre and Film* – 4 credits
- Theatre 107 – *Introduction to Theatre* – 4 credits (W)
- Theatre 375 – *Asian Theatre* – 4 credits
- Theatre 382 – *Ethnic Drama* (W)

I. Philosophies and Cultures of the World

- Foreign Language 151, 152 or 153 (1st year foreign language)***
- Foreign Language 251, 252 or 253 (2nd year foreign language)
- Philosophy 101 – *Introduction to Philosophy* (W)
- Philosophy 115 – *The Meaning of Life* (W)
- Philosophy 202 – *Introduction to Ethics* (W)
- Philosophy 209 – *Introduction to Asian Philosophy* (W)
- Philosophy 210 – *Current Ethical Issues* (W)
- Philosophy 306 – *Environmental Ethics* (W)
- Philosophy 378 – *The Philosophy of Love* (W)
- Religious Studies 101 – *Introduction to Religion* (W)
- Religious Studies 201 – *Sacred Books of the World* (W)

*** Courses that satisfy the **Basic** requirement for Foreign Language (**E**) may not also be used to satisfy the **Breadth** requirement in this area (**I**).

SOCIAL AND BEHAVIORAL SCIENCES (J, K, L)

J. Perspectives on Cultures and Experiences of the US

- Economics 101 – *Economic Issues*
- Economics 201 – *Principles of Economics - Micro*
- Ethnic Studies 101 – *Ethnic Awareness* – 4 credits (W)
- History 144 – *History of the United States Since 1865* (W)
- Political Science 210 – *American Politics*
- Sociology 101 – *Social Problems* (W)
- Sociology 305 – *American Society* (W)
- Women Studies 201 – *Introduction to Women Studies* (W)

K. Perspectives on World Cultures

- Anthropology 130 – *Introduction to Cultural Anthropology*
- Asian Studies 102 – *Introduction to Asian Studies* – 3 credits (W)
- Communications 302 – *Intercultural Communication* – 4 credits (W)
- Economics 102 – *World Economic Issues* (W)
- Economics 360 – *Contemporary Economic Problems* (W)
- Geography 101 – *World Regional Geography*
- History 102 – *World Civilization: 1500-1815* (W)
- History 103 – *World Civilization Since 1815* (W)
- Latin American Studies 102 – *Intro to Latin American Studies* (W)
- Political Science 270 – *International Politics* (W)

L. Foundations of Human Adaptations and Behavior

- Anthropology 107 – *General Anthropology*
- Anthropology 120 – *Introduction to Archeology*
- Family & Consumer Science 337 – *Human Sexuality* (W)
- Geography 108 – *Introduction to Human Geography*
- Health Education 101 – *Health Essentials* – 4 credits
- Political Science 101 – *Introduction to Politics* (W)
- Psychology 101 – *General Psychology*
- Psychology 205 – *Psychology of Adjustment* (W)
- Sociology 107 – *Principles of Sociology* (W)

THE NATURAL SCIENCES (M, N, O)

M. Fundamental Disciplines-Physical / Biological Sciences

- Biology 101 with lab – *Fundamentals of Biology*
- Chemistry 111 with lab – *Intro to Chemistry*
- Chemistry 181 with lab – *General Chemistry*
- Geology 101 with lab – *Physical Geology*
- Physics 111 with lab – *Introductory Physics*
- Physics 181 with lab – *General Physics*

N. Patterns and Connections in the Natural World

- Anthropology 110 (optional lab) – *Introduction to Biological Anthropology*
- Biology 200 – *Plants in the Modern World* (W)
- Biology 201 – *Human Physiology*
- Biology 300 – *Introduction to Evolution*
- Environmental Studies 301 – *Earth as an Ecosystem*
- Geography 107 – *Introduction to Physical Geography*
- Geology 102 with lab – *Geology of National Parks*
- Geology 107 – *Volcanoes, Earthquakes and Civilization*
- Geology 302 – *Oceans and Atmosphere* – 4 credits
- Physics 101 with lab – *Intro to Astronomy: Stars & Galaxies*
- Physics 102 with lab – *Intro to Astronomy: The Solar System*

O. Applications of Natural Science

- Anthropology 314 – *Human Variation & Adaptation in Living Populations*
- Biology 302 – *Human Ecology*
- Chemistry 101 with lab – *Contemporary Chemistry*
- Environmental Studies 302 – *Ecosystems-Populations-Resources-Culture*
- Geography 273 – *Geography of Rivers*
- Geology 108 – *Introduction to Environmental Geology*
- Industrial Engineering Technology 101 – *Modern Technology*
- Nutrition 245 – *Basic Nutrition*
- Physics 103 with lab – *Physics of Musical Sound* – 4 credits (W)

CWU General Education Requirements

Course Descriptions

ANTHROPOLOGY

Anthropology 107 - General Anthropology

Human biological and cultural adaptations: survey of concepts, methods, and perspectives on past and present.

Anthropology 110 (with optional lab) - Introduction to Biological Anthropology

A survey of the history, philosophy and theory of biological anthropology including biological relationships to other primate forms, the fossil record, and evolutionary adaptations.

Anthropology 120 - Introduction to Archeology

Introduction to the concepts, methods and development of archaeology.

Anthropology 130 - Introduction to Cultural Anthropology

Understanding human cultures: concepts, methods, and basic data involved in the comparative study of human cultural adaptations.

ART

Art 101 - Introduction to Western Art

The visual arts as an expression of the human experience.

Art 102 - Introduction to Non-Western Art

A survey of non-western painting, sculpture and architecture.

ASIA/PACIFIC STUDIES

Asian Studies 102 - Introduction to Asian Studies

An interdisciplinary introduction to the study of Asia; emphasizing geography, history, culture and economics.

BIOLOGY

Biology 101 with lab - Fundamentals of Biology

Biology in the modern world. Four hours lecture and one two-hour laboratory per week.

Biology 200 - Plants in the Modern World

Plants and their significance in the world today. Three hours lecture and three hours laboratory per week.

Biology 201 - Human Physiology

Organ systems of humans.

Biology 300 - Introduction to Evolution

The evidence, theories, and mechanisms of the evolution of life, including man.

Biology 302 - Human Ecology

Basic concepts of ecology with emphasis on ecosystems and populations and how human activities and attitudes relate to these basic concepts.

CHEMISTRY

Chemistry 101 with lab - Contemporary Chemistry

Chemical principles and their application to contemporary problems of human beings and their environment.

Chemistry 111 with lab - Intro to Chemistry

Principles of chemistry for health science students and for those needing a background in chemistry prior to taking CHEM 181.

Chemistry 181 with lab - General Chemistry

Prerequisites, high school chemistry and qualification for MATH 153 or math placement exam, or permission.

COMMUNICATIONS

Communications 302 – Intercultural Communications

The objective of this course is to give the participants the skills and understanding necessary to improve communication with people of other nations and cultures.

COMPUTER SCIENCE

Computer Science 101 - Computer Basics

Prerequisite, high school or college algebra. Literacy course; basic computer structure; introduction to word processing, spreadsheet and database programs; introduction to the Internet.

Computer Science 105 - Logical Basis of Computing

Problem solving; algorithm development; complexity; computability. Representation of algorithms as computer programs; data; decision and control; inherent sources of error.

ECONOMICS

Economics 101 - Economic Issues

For the student who desires a general knowledge of economics. Applications of economic principles to current social and political problems. ECON 101 cannot be substituted for either ECON 201 or 202.

Economics 102 - World Economic Issues

An introduction to current international issues related to international trade and finance, economic development and comparative economic systems.

Economics 201 - Principles of Economics - Micro

The function of the market system in the allocation of scarce resources, determination of prices and output in competitive and monopolistic markets, and distribution of income. The role of government in the market economy.

ENGLISH

English 101 - Composition

Prerequisite, adequate ACT, COMPASS, or SAT scores. Develops writing skill in expository prose. Required of all students except those who have passed an exemption examination.

English 102 - Composition

Prerequisite, a minimum grade of C- or above in ENG 101 or exemption from 101. Develops skills in expression, inquiry, reasoning and research through composing academic essays.

English 105 - Introduction to Literature

Human experience as it is imagined, interpreted, and made significant in the poetry, prose, fiction, and drama of the major writers of the world. For general education (breadth) credit, prerequisite: Grade of C- or above in ENG 101; must be taken for grade.

English 110 – Black Performative Culture in the United States and the Global Context

An interdisciplinary exploration of a variety of perspectives in African American folk culture, from oral expressions developed during slavery to contemporary Rap and stand-up comedy. The course includes and overview of the worldwide contribution of black oral performative art.

English 247 - Multicultural Literature

Prerequisite, grade of C- or above in ENG 101. Literary themes examined through the comparison of works from various cultures.

English 347 – Global Perspectives in Literature

Prerequisite, grade of C- or above in ENG 101. An introduction to contemporary non-western and third world literature.

ENVIRONMENTAL STUDIES

Environmental Studies 301 - Earth as an Ecosystem

Introduction to the concept of our planet as a finite environment with certain properties essential for life. The dynamic nature of the earth's physical, chemical, geological and biological processes and their interrelated "systems" aspects furnishes the thrust of this treatment.

Environmental Studies 302 - Ecosystems-Populations-Resources-Culture

The physical and cultural dimensions of environmental problems with particular emphasis given to the interaction between ecosystems, basic resources, population dynamics, and culture.

ETHNIC STUDIES

Ethnic Studies 101 - Ethnic Awareness

Awareness and understanding of the problems facing the American people in the area of race and ethnic relations, primarily focusing on ethnic minorities. The nature and scope of relationships between minority groups and the majority in the United States.

FAMILY & CONSUMER SCIENCE

Family & Consumer Science 337 - Human Sexuality

The biophysical, psychosocial and behavioral aspects of sexuality with emphasis on making responsible sexual decisions and promoting healthy relationships.

FILM AND VIDEO STUDIES

Film and Video Studies 250

Overview of film and video studies, including film viewing and analysis, motion picture language and film genres and production aspects. Emphasis on the social context, cultural influences, and aesthetic qualities of film.

FOREIGN LANGUAGE

Foreign Language 151, 152 or 153 (1st year foreign language)

Foreign Language 251, 252 or 253 (2nd year foreign language)

GEOGRAPHY

Geography 101 - World Regional Geography

Regions and nations of the world together with the changing elements of the physical and human environment which support them.

Geography 107 - Introduction to Physical Geography

The complex weather, climate, water, landforms, soils and vegetation comprising Earth's physical environments over space and time.

Geography 108 - Introduction to Human Geography

Distribution and spatial variation of population, settlement patterns, cultural elements of language, religion, and lifeways, and the economic and political organization of the planet.

Geography 273 - Geography of Rivers

Global, regional and local physical and cultural patterns and processes within river basins.

GEOLOGY

Geology 101 with lab - Physical Geology

An introduction emphasizing the origin and nature of the common rocks, and the continually changing features of the earth's crust.

Geology 102 with lab - Geology of National Parks

Fundamentals of geology applied to selected national parks in North America.

Geology 107 - Volcanoes, Earthquakes and Civilization

The role of natural geologic processes such as volcanoes, earthquakes and climate change in shaping the earth, the environment and human civilization.

Geology 108 - Introduction to Environmental Geology

Interaction between human activity and geological processes. Scientific discussion of global environmental issues such as ozone depletion, climate change, geologic hazards, natural resources and water use.

Geology 302 – Oceans and Atmosphere

Introduction to Earth's climate and the hydrologic cycle through study of the ocean-atmosphere system. Chemical and physical changes will be studied over times scales ranging from millions of years to days. Includes field trip.

HEALTH EDUCATION

Health Education 101 - Health Essentials

Fundamental patterns and understanding of human interaction with natural and man made environments intended to help students make informed judgments.

HISTORY

History 102 - World Civilization: 1500-1815

A comparative survey of political, social, economic and cultural developments.

History 103 - World Civilization Since 1815

A comparative survey of political, social, economic, and cultural developments.

History 144 - History of the United States Since 1865

Reconstruction, Industrial America and 20th century urban America.

HUMANITIES

Humanities 101 - Exploring Cultures-Ancient World

An interdisciplinary exploration from literature, history, philosophy, and the arts of selected major ancient civilizations in Asia, Africa, Europe and the Americas from their beginnings through the fifteenth century.

Humanities 102 - Exploring Cultures-16th-19th Centuries

An interdisciplinary exploration of selected literature, history, philosophy, and the arts in Asia, Africa, Europe and the Americas from the sixteenth through the nineteenth centuries.

Humanities 103 - Exploring Cultures-Modern Societies

An interdisciplinary exploration of literature, history, philosophy, and the arts of selected world civilizations of the twentieth century.

INDUSTRIAL AND ENGINEERING TECHNOLOGY Industrial Engineering Technology 101 - Modern Technology

A study of how basic scientific principles are applied daily in industrial societies through a survey of transportation, electrical power, construction, and consumer product technologies.

INFORMATION TECHNOLOGY

Information Technology 101 - Computer Applications

Basic keyboarding skills recommended. Spreadsheet, database, graphics, word processing, and computer applications. Limited disk operating system commands.

LATIN AMERICAN STUDIES

Latin American Studies 102 - Intro to Latin American Studies

A multi-disciplinary introduction of Latin American Studies, presented in three main components: "People and the Land", "The Environment and the Human Condition", and "Socio-Political Spectrum".

MATHEMATICS

Note: Students who wish to enroll in Precalculus (MATH 153 or MATH 154) or Calculus (MATH 170 or MATH 172) and who have not had the necessary prerequisite course at a college or university must take the mathematics placement test. Student will be placed in accord with their results on this test as determined by the Mathematics Department. See the Mathematics Department for more details.

Math 101 - Mathematics in the Modern World

Selected topics from the historical development and applications of mathematics together with their relationship to the development of our present society.

Math 102 – Mathematical Decision Making

Selected topics from probability, statistics and mathematical decision making with real world application.

Math 130 - Finite Mathematics

The language of sets, counting procedures, introductory probability and decision making, introductory descriptive statistics. Meets General Education "reasoning" requirement and prepares student for introductory statistics courses in various departments.

Math 153 - Pre-Calculus I

A foundation course which stresses those algebraic and elementary function concepts together with the manipulative skills essential to the study of calculus.

Math 154 - Pre-Calculus II

A continuation of MATH 153 with emphasis on trigonometric functions, vectors, systems of equations, the complex numbers, and an introduction to analytic geometry.

Math 164 - Foundations of Arithmetic

Structure of the real number system. Properties of and operations on integers, rationals, decimal representation, percentages, proportion, graphing and elementary problem solving. Recommended for the prospective elementary school teacher.

Math 170 - Intuitive Calculus

An intuitive approach to the differential and integral calculus specifically designed for students in the behavioral, managerial, and social sciences.

Math 172 - Calculus

Theory, techniques and applications of differentiation and integration of the elementary functions.

MUSIC

Music 101 - History of Jazz

The evolution of jazz and the development of Black music in White America.

Music 102 - Introduction to Music

Fundamental musical concepts (melody, harmony, rhythm, form, etc.) through illustrations of the instrumental and vocal music of major composers from the earliest period through the present day.

Music 104 - Introduction to Musical Studies

Attitudes and concepts relevant to the music profession. Listening repertoire and reference materials. Designed for entering Music majors.

NUTRITION

Nutrition 245 - Basic Nutrition

Fundamental nutritional concepts as related to health. Four hours lecture and one hour discussion per week.

PHILOSOPHY

Philosophy 101 - Introduction to Philosophy

Introduction to the basic themes, thinkers and topics of philosophy. The mind-body problem, good versus evil, knowledge, truth, goodness, and beauty.

Philosophy 115 - The Meaning of Life

Original sources from diverse philosophical traditions explore various responses to the question of the meaning of life, considering the most significant human aspirations and values.

Philosophy 201 - Introduction to Logic

Formal principles, methods and techniques for analyzing, constructing, and evaluating arguments. Topics include validity, soundness, truth tables, Venn diagrams, syllogisms, and logical symbolism.

Philosophy 202 - Introduction to Ethics

Examine some main traditions of ethics, such as Christian ethics, Buddhist ethics, Confucian ethics, ethical absolutism and relativism, utilitarianism, deontology, and feminist ethics.

Philosophy 209 - Introduction to Asian Philosophy

Examination of important problems and classical texts in Indian, Chinese, and Japanese philosophy.

Philosophy 210 - Current Ethical Issues

Contemporary ethical theories from diverse traditions applied to current ethical problems. Recent ethical approaches to euthanasia, abortion, capital punishment, affirmative action, and environmental concerns.

Philosophy 306 – *Environmental Ethics*

An examination of the various positions on the human relationship with the natural environment, from ancient and contemporary, western and non-western, as well as interdisciplinary perspectives.

Philosophy 378 – *The Philosophy of Love*

A study of various concepts of love as they occur in philosophy, literature, and other cultural expressions. The nature of romantic love, eros, agape, friendship and fellow feeling will be discussed.

PHYSICAL EDUCATION

Physical Education 161 - *Cultural History of Dance*

A survey course in the evolution of dance through the ages with emphasis on the major forces which have influenced dance in the 20th Century.

PHYSICS

Physics 101 with lab - *Intro to Astronomy: Stars & Galaxies*

An introduction to the variety of celestial objects and the phenomena associated with them. The course will also emphasize how we know and can continue to learn about the universe.

Physics 102 with lab - *Intro to Astronomy: The Solar System*

An introduction to the sun, planets and other solar system components emphasizing what we know and how we know it.

Physics 103 with lab - *Physics of Musical Sound*

Basic physical principles of sound, of how musical instruments produce sound, and how humans hear music.

Physics 111 with lab - *Introductory Physics*

Prerequisites, high school algebra and trigonometry. A broad coverage of physical topics including mechanics, heat, electricity and magnetism, waves, and light.

Physics 181 with lab - *General Physics*

Co requisites (or prior completion) MATH 172. Introduction to principles of Physics using calculus. Intended primarily for students in science and engineering disciplines. Emphasizes kinematics, dynamics and conservation principles.

POLITICAL SCIENCE

Political Science 101 - *Introduction to Politics*

The basic ideas around which political debate revolves and from which political institutions evolve.

Political Science 210 - *American Politics*

Origin and development of the United States government; structure, political behavior, organizations and processes; rights and duties of citizens.

Political Science 270 - *International Politics*

Conditions and principles governing the contemporary nation-state system.

PSYCHOLOGY

Psychology 101 - *General Psychology*

An introduction to the science of behavior.

Psychology 205 - *Psychology of Adjustment*

The nature of the adaptive process and the means by which people adjust to their environment.

RELIGIOUS STUDIES

Religious Studies 101 - *Introduction to Religion*

Religions of humanity through the ages. Beliefs, practices, symbols, and institutions. Human experiences and needs from which religions arise.

Religious Studies 201 - *Sacred Books of the World*

Comparative study of religious thought and literature from classics eastern and western: Upanishads, Bhagavad-Gita, Dhammapada, Tao Te Ching, Hebrew Bible, New Testament, Koran.

SOCIOLOGY

Sociology 101 - *Social Problems*

An introduction to the study of contemporary issues such as poverty, military policies, families, crime aging, racial and ethnic conflict, and the environment.

Sociology 107 - *Principles of Sociology*

An introduction to the basic concepts and theories of sociology with an emphasis on the group aspects of human behavior.

Sociology 205 - *American Society*

Introduction to the social structure and processes of American society; emphasis on institutions such as government, family, schools, and religion, and processes such as conflict, change, stratification, mobility, and communication.

THEATRE ARTS

Theatre 101 - *Appreciation of Theatre and Film*

Viewing, discussing, and comparing film and live theatre performance.

Theatre 107 - *Introduction to Theatre*

Overview of the basic elements of the theatre arts and dramatic structure, and the environment for production of plays. Attendance at assigned outside events is required.

Theatre 382 - *Ethnic Drama*

Study of contemporary American multi-cultural plays by people of color and other ethnic groups.

UNIVERSITY 101

University 101 - *General Education Colloquium*

This course is designed for students to learn about the mission of the general education program and majors in order to make informed academic decisions and discover opportunities for personal growth.

WOMEN STUDIES

Women Studies 201 - *Introduction to Women Studies*

A survey of women studies from an interdisciplinary perspective. Basic terms, concepts, theories and research methodologies will be introduced. Gender-related issues will be examined from the historical, cross-cultural and cross-national perspectives.