Academics

Course Descriptions
Basic Programs
Annual Programs
Environmental Studies
European and American Studies
Expressive Arts
Health and Human Development
Marine Sciences and Craft
Management and the Public Interest
Northwest Native American Studies
Political Economy
Scientific Knowledge and Inquiry
Evergreen Vancouver
Teacher's Certification
## A Concise View of Evergreen's Curriculum

### PROGRAM NAME

<table>
<thead>
<tr>
<th>Basic Programs</th>
<th>QUARTERS OFFERED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Society and the Computer</td>
<td></td>
</tr>
<tr>
<td>Health: Individual and Community</td>
<td></td>
</tr>
<tr>
<td>Political Ecology</td>
<td></td>
</tr>
<tr>
<td>Outdoor Education</td>
<td></td>
</tr>
<tr>
<td>Re-Introduction to Education</td>
<td></td>
</tr>
<tr>
<td>Great Books of the Western World</td>
<td></td>
</tr>
<tr>
<td>Humanism and Science</td>
<td></td>
</tr>
<tr>
<td>Explorations in Perception</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Annual Programs</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>The Human Condition: Our Neolithic Roots</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental Studies</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Environmental Studies</td>
<td></td>
</tr>
<tr>
<td>Environmental Design</td>
<td></td>
</tr>
<tr>
<td>Evergreen Environment VII</td>
<td></td>
</tr>
<tr>
<td>Energy Systems</td>
<td></td>
</tr>
<tr>
<td>Small Scale Agriculture</td>
<td></td>
</tr>
<tr>
<td>Applied Environmental Studies</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>European and American Studies</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Formation of Modern Society</td>
<td></td>
</tr>
<tr>
<td>Russia-USSR</td>
<td></td>
</tr>
<tr>
<td>Dialectics of American Culture</td>
<td></td>
</tr>
<tr>
<td>Writing Poetry</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Expressive Arts</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundations of Visual Art</td>
<td></td>
</tr>
<tr>
<td>Recording &amp; Structuring Light &amp; Sound</td>
<td></td>
</tr>
<tr>
<td>Foundations of Performing Arts</td>
<td></td>
</tr>
<tr>
<td>Camerawork</td>
<td></td>
</tr>
<tr>
<td>The Arts of Theatre</td>
<td></td>
</tr>
<tr>
<td>Take Two: Intermediate Filmmaking</td>
<td></td>
</tr>
<tr>
<td>Making Dances</td>
<td></td>
</tr>
<tr>
<td>The Creative Jazz, Pop, Rock Musician</td>
<td></td>
</tr>
<tr>
<td>Images</td>
<td></td>
</tr>
</tbody>
</table>

| Part-time Option                      |                  |

<table>
<thead>
<tr>
<th>Vision and Expression</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>The Anthropology of Visual Communication</td>
<td></td>
</tr>
<tr>
<td>Looking at Television</td>
<td></td>
</tr>
<tr>
<td>Design in Music</td>
<td></td>
</tr>
<tr>
<td>Arts Management</td>
<td></td>
</tr>
<tr>
<td>Writing Poetry</td>
<td></td>
</tr>
</tbody>
</table>

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**Quarters Offered:** Fall, Winter, Spring

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Part-time Option
<table>
<thead>
<tr>
<th>PROGRAM NAME</th>
<th>QUARTERS OFFERED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Health and Human Development</strong></td>
<td></td>
</tr>
<tr>
<td>Human Health and Behavior</td>
<td></td>
</tr>
<tr>
<td>Origins of Sex Inequality</td>
<td></td>
</tr>
<tr>
<td>Sex: Roles in Western Civilization</td>
<td></td>
</tr>
<tr>
<td>Issues in Human Survival</td>
<td></td>
</tr>
<tr>
<td>Psychological Counseling</td>
<td></td>
</tr>
<tr>
<td>Personality, Society and Culture</td>
<td></td>
</tr>
<tr>
<td>Nutrition</td>
<td></td>
</tr>
<tr>
<td><strong>Marine Sciences and Crafts</strong></td>
<td></td>
</tr>
<tr>
<td>Exploration</td>
<td></td>
</tr>
<tr>
<td>Salmon: Biology, Fisheries &amp; Controversy</td>
<td></td>
</tr>
<tr>
<td>The Marine Environment</td>
<td></td>
</tr>
<tr>
<td>Marine Biology</td>
<td></td>
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<tr>
<td>Freshwater Ecology</td>
<td></td>
</tr>
<tr>
<td><strong>Management and the Public Interest</strong></td>
<td></td>
</tr>
<tr>
<td>Basic Studies in Administration</td>
<td></td>
</tr>
<tr>
<td>Management and the Public Interest</td>
<td></td>
</tr>
<tr>
<td>Advanced Studies in Public Administration</td>
<td></td>
</tr>
<tr>
<td><strong>Northwest Native American Studies</strong></td>
<td></td>
</tr>
<tr>
<td>Spirituality: The Eyes of the Unknown</td>
<td></td>
</tr>
<tr>
<td>The Clash of Culture</td>
<td></td>
</tr>
<tr>
<td><strong>Political Economy</strong></td>
<td></td>
</tr>
<tr>
<td>Introduction to Political Economy</td>
<td></td>
</tr>
<tr>
<td>Microeconomic Theory</td>
<td></td>
</tr>
<tr>
<td>Foundations of American Enterprise</td>
<td></td>
</tr>
<tr>
<td>Cuba and the United States</td>
<td></td>
</tr>
<tr>
<td>The Constitution, the Economy and Democratic Principle</td>
<td></td>
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<tr>
<td><strong>Scientific Knowledge and Inquiry</strong></td>
<td></td>
</tr>
<tr>
<td>Introduction to Natural Science</td>
<td></td>
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<tr>
<td>Matter and Motion</td>
<td></td>
</tr>
<tr>
<td>Advanced Chemistry, Physics and Math</td>
<td></td>
</tr>
<tr>
<td>Computability</td>
<td></td>
</tr>
<tr>
<td>Biochemistry and Cell Biology</td>
<td></td>
</tr>
<tr>
<td>Molecular, Genetic &amp; Developmental Biology</td>
<td></td>
</tr>
<tr>
<td>Nutrition</td>
<td></td>
</tr>
<tr>
<td>Anatomy and Physiology</td>
<td></td>
</tr>
<tr>
<td><strong>Off-Campus Programs</strong></td>
<td></td>
</tr>
<tr>
<td>Communication: Advanced Interdisciplinary</td>
<td></td>
</tr>
<tr>
<td>Studies - Vancouver</td>
<td></td>
</tr>
<tr>
<td>Decision-Making - Vancouver</td>
<td></td>
</tr>
</tbody>
</table>
**Basic Programs**

Basic Programs have been designed specifically to help students just beginning in college get off to a good, fast start. For most students this means learning how to write easily and well in various modes, how to read carefully, analyze and critique logical arguments, work cooperatively in small project or discussion groups, work with the ideas of several traditional disciplines, and begin to understand interdisciplinary study. Basic Programs also aim to help students connect their studies with their own intellectual and personal concerns and to make responsible decisions about their education.

As you can see from the descriptions below, we offer Basic Programs in a wide variety of subject areas—in the humanities, social sciences, arts, and natural sciences. Each is an integrated study program that combines a number of different activities (seminars, individual conferences, lectures, laboratories—whatever is appropriate) to help you learn a great deal about the program's theme or topic, and at the same time to learn about your own goals, about defining problems and dealing with them, about the college's people and facilities, about how to read critically and write easily and effectively.

Evergreen stands for interdisciplinary learning, which means studying situations as wholes, not as collections of unrelated fragments. Basic Programs are one place to discover the full breadth of the situations that concern you—the connection of artistic expression to social conditions, for example, or the relation of biological facts to individual psychology.

Students in their first or second year of college and new to Evergreen are strongly advised to take a Basic Program.

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**Explorations in Perception**

Fall, Winter, Spring—Coordinated Study

Coordinator: Mary F. Nelson
Enrollment: 66
Prerequisites: None
Special Expenses: $25-30 art supplies; field trip transportation costs
Part-Time Options: No.

This program will provide a cross-cultural exploration of art and literature. Emphasis will be on the visual arts and design and on literature and poetry. We will study various theories, themes and symbols in literature, poetry, art, and art history. Readings will examine the movements in and attitudes of a variety of cultures in the United States as well as the development of various art styles in America.

The objectives and methods used in this program will bring the topics used into a sharper focus for the student and will develop skills, techniques, and understanding so that the student will be prepared for more advanced work in these areas. Participation and discussions via seminar will be held weekly on intensive readings in literature and poetry. Works of a variety of writers from at least two different cultures will be covered—the Native American and the American Black.


Included in the reading/seminars will be intensive writing and work in analyzing and writing expository prose. Emphasis will be on organizing and unifying the student's thinking, improving understanding and style, and practice in research. There will be weekly papers and a final paper. The final project can also be completed with a series of paintings, weavings, or other artistic materials or methodology. However, reading comprehension, writing, and understanding of the theory of literature and the principles of poetry will be a strong objective of this program.

Art explorations will be in the areas of drawing, drawing from nature, life drawing, basic techniques in oil and acrylic painting, and artistry in various mediums such as textiles, weaving, and jewelry. Studio work will be stressed, and those students who desire to do additional outside work will be encouraged. At the end of the quarters students must have pieces completed (matted or framed) for exhibition.

Planned equivalencies: 4 quarter hours Drawing; 4 quarter hours Painting; 4 quarter hours Introduction to Poetry; 4 quarter hours English Composition; 4 quarter hours Exploratory Writing; 8 quarter hours Introduction to Humanities; 8 quarter hours Introduction to American Literature; 4 quarter hours Cross Cultural Perspectives on the Arts and Humanities; 8 quarter hours Fine Arts Studio Component (weaving, painting, fine metals and others)

Program is preparatory for careers and/or future study in art, art history, literature, poetry, humanities.

Additional course allowed: Yes Internship possibilities: No
"What is most needed for learning is an humble mind."

Confucius

Health: Individual and Community
Fall, Winter, Spring/Coordinated Study
Coordinator: Russ Fox
Enrollment: 88
Prerequisites: None
Special Expenses: $25-30 for program retreat; chromosome kit
Part-Time Options: No

The theme of this program is the question: As individuals and as members of a community, what is a health state of being? We will seek information and ideas from biologists, ecologists, psychologists, sociologists, philosophers, literary authors, health practitioners, and ourselves in pursuit of this question. Individually and in groups of varying sizes we will explore the interrelationships and the personal and societal applications of health. A strong emphasis on improving basic learning and communication skills, such as library, lab, and field research techniques, comprehension, analytical thought, seminaring, and different types of writing will characterize and support the development of our knowledge and ideas.

Both fall and winter quarters, introductory material in the biological and social sciences will be presented through texts such as Sherman and Sherman, Biology: A Human Approach, Jacobs, The Death and Life of Great American Cities, and Ford, Urban Health in America, and four weeks of faculty and guest lectures, labs, and field trips. The basic information will then be applied to interdisciplinary health-related themes, such as stress, sexuality, and the ethics of health care, and to project and research-oriented modules, such as brain and behavior, epidemiology, and aging.

Spring quarter, students will be able to design individual or small group projects or internships as a part of their studies. Weekly seminars will provide the opportunity for discussion of literary and philosophical works (such as Camus, The Plague, Ibsen, An Enemy of the People, and Sochenitsyn, Cancer Ward), synthesis of the information and ideas from lectures and other readings, sharing of reflective and expository writing, and the exploration of personal and societal application of the program material.

Health is of concern to everyone. In addition to acquiring knowledge and examining attitudes and values related to health issues, one goal of the program is that students be healthier, happier, and more health-aware individuals by the end of the year.

Planned equivalencies: 16 quarter hours Biology; 16 quarter hours Social Science; 16 quarter hours Literature and Composition.

Great Books of the Western World
Fall, Winter, Spring/Coordinated Study
Coordinator: Nancy Taylor
Enrollment: 66
Prerequisites: None
Special Expenses: None
Part-Time Options: No

This program will be concerned with the relationships between men and women and their society. Our work will be divided between reading literature and studying the artistic creations of the past. We will concentrate on these centuries: fifth century B.C. Greece, sixteenth century Europe, and nineteenth century Europe.

Fall quarter the focus will be on political and social values, using documents from ancient Greece. We will begin with Homer’s Odyssey, then move to the great Athenian playwrights Aeschylus, Sophocles, and Euripides and to selections from Plato and Aristotle. We will study the art and architecture of 5th Century Athens. We will be concerned with the roles of men and women and study the ways these roles are expressed in both literature and visual art.

Winter quarter we will move to the 16th Century to continue the study of political and social values and focus as well on religion and the arts. This means reading Machiavelli, Castiglione, More, Montaigne, Celini and Shakespeare, Erasmus, Luther and Calvin, Leonardo and Galileo, and studying the works of Alberti, Raphael, Leonardo, Michelangelo, Titian, Tintoretto, Durer and Holbein.

In spring quarter we will leap ahead to the 19th Century. We will investigate such themes as the relationships of the individual to himself, to others, and to society; and we will look at what happens to those relationships as they react to the impact of industrialization, urbanization, and the new science. The reading list will include Dostoevsky, Melville, Marx, Nietzsche, and Ibsen; G. Eliot, Emerson, and Goethe; Darwin and Freud; Dickens and Flaubert. In the arts we will look at the Gothic revival, the arts and crafts movement, and the Impressionists.

The weekly schedule for the program will include one lecture, one visual presentation or activity, two book seminars, one writing session and an open faculty seminar. The faculty will offer special workshops to teach students to do close reading, to interpret works of art and, especially, to write well.

Planned equivalencies: 12 quarter hours Writing; 12 quarter hours History: Greek, Renaissance and Nineteenth Century European; 12 quarter hours Art History; 12 quarter hours Literature.

Program is preparatory for careers and/or future study in the humanities, arts, and social sciences.

Additional course allowed: Possibly spring quarter.
Part-Time Options: No
**Humanism and Science: Two Cultures in Transition**

Fall, Winter, Spring/Coordinated Study
Coordinator: Rudy Martin
Enrollment: 66
Prerequisites: None.
Special Expenses: Perhaps a small lab fee or field work.
Part-Time Options: Yes

This program will investigate the roots and evolution of science and the various reactions to it. The questions it will ask are: What is science? What are the humanities? What have been the reactions to both? Are those responses positive, skeptical, both? And other questions. The materials will include history, philosophy, literature, biology, mathematics, and composition.

The Western world from the 17th century onward has been characterized by a revolution in how humans "know." "Revealed truth" and "intuitive knowledge" have been discredited. Only "objective," "verifiable" data speak to us with authority about the nature of experience, the world, proper perception, and the place of human beings. Science is God; non-science is trivial. Since World War II, nuclear fission, and the development of other frightening technological capabilities, yet another major shift has occurred. There has been a powerful resurgence of interest in literature and art, philosophy and religion, and matters spiritual or emotional. Simultaneously, Western consciousness has been racked with a growing sense of futility that unless these two separate "cultures"—humanism and science, logic and creativity et al—merge more fully, hopes for an improved quality of life seem unlikely.

In order to gain a meaningful understanding of science and the humanities, students will attend lectures, read significant books, and participate in workshops, lab sessions and field studies. In addition, each student will complete both a humanities and a science project. This program will place special emphasis upon developing basic writing and mathematical skills.

The Humanism and Science Program will provide a half-time (8 quarter credit) evening option comprised of (1) a weekly lecture and seminar; (2) a series of reading and writing assignments to be completed; and (3) either a science or humanities project. Two Saturday workshops will be offered to aid part-time students in completing their projects.

Planned equivalencies: 12 quarter hours History/Philosophy; 12 quarter hours Literature/composition; 12 quarter hours Mathematics; 12 quarter hours Biology and Physical Science.

This program is intended for beginning college students with a wide variety of interests and goals. A major emphasis will be on the development of skills for further work in college: abilities to read critically, write clearly and analytically, to participate in productive seminars, and collaborative group decision-making. Students will also acquire basic skills in outdoor activities such as mountain travel and safety, camping; ecology, first aid, map and compass, ski touring and will have opportunities to practice teaching some of their skills.

An attempt to determine how we learn, and how best to teach, will underlie all the activities of the program. We will work toward developing a reflective attitude towards all our experiences, both indoors and out, in order to see under what conditions experience may become an effective teacher. At the same time we will discuss diverse theories of education, drawn from such classical and modern thinkers as Socrates, Plato, Aristotle, Dewey, Rogers, and Piaget.

Planned equivalencies: 5 quarter hours Introduction to Literature; 5 quarter hours Social Psychology; 5 quarter hours Sociology; 5 quarter hours Philosophy; 5 quarter hours Introduction to Biological Science; 5 quarter hours Expository Writing; 5 quarter hours Theories of Education; 5 quarter hours Developmental Psychology; 5 quarter hours Humanities; 3 quarter hours Ethics.

Program is preparatory for careers and/or future study in Humanities, Natural Sciences, Teaching, research, field applications.

Additional course allowed: None
Internship possibilities: No

**Outdoor Education**

Fall, Winter, Spring/Coordinated Study
Coordinator: To be announced.
Enrollment: 88.
Prerequisites: None.
Special Expenses: Field trip travel and food costs. Outdoor equipment, purchase or rental. Medical insurance premium.
Part-time Options: Yes.

This program will use the natural environment as a medium in which to explore fundamental aspects of human life—social, psychological, ethical and artistic. The nature of learning will provide a unifying focus for the study of all these themes. Through both selected activities in the outdoors and reading, writing, and seminar discussions, we will integrate experiential and academic modes of learning. Examples of topics to be discussed include: the relationship of the individual to the social group, physical, psychological, and moral development, science as a humanistic endeavor, philosophy of education, and nature and culture as interacting systems.

This program is intended for beginning college students with a wide variety of interests and goals. A major emphasis will be on the development of skills for further work in college: abilities to read critically, write clearly and analytically, to participate in productive seminars, and collaborative group decision-making. Students will also acquire basic skills in outdoor activities such as mountain travel and safety, camping; ecology, first aid, map and compass, ski touring and will have opportunities to practice teaching some of their skills.

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Program is preparatory for careers and/or future study in education, environmental studies, human services.

Additional course allowed: Yes
Internship possibilities: No
"Wisdom is knowledge in action."

Louis Mumford

**Political Ecology**

Fall, Winter, Spring/Coordinated Study
Coordinator: Bob Siuss
Enrollment: 88
Prerequisites: None.
Special Expenses: Field Trips.
Part-Time Options: No.

The theme of Political Ecology is human beings' effects on their environment. This involves understanding what the environment is, how our values directly and indirectly lead to actions which influence it, and the nature of such influence. In order to investigate this theme it will be necessary to: (1) learn basic ecological concepts to understand the structure and function of ecosystems, (2) investigate the historical and philosophical inheritance of our culture which influence social and personal values, and (3) understand how these values led to actions which influence the quality of the environment.

The goals of this program for each student include: (1) examination and formation of personal environmental values and learning ways to act effectively and consistently with those values, (2) improvement of basic learning and communication skills, and (3) introduction to the humanities, natural and social sciences.

The program will present introductory material in the natural and social sciences through faculty lectures, guest speakers, films, seminars, labs, and field trips. This basic information will then be applied in field and classroom work to a natural and human community. Students will be given increasing responsibility to choose and plan their own studies as the year progresses. There will be a strong emphasis on improving basic skills such as reading, writing, and critical thinking.

Political Ecology is especially for those interested in environmental studies, environmental education, field biology, environmental design and community development, or for those interested in an introduction to the natural sciences or the social sciences or humanities.

Planned equivalencies: 12 quarter hours Biology; 8 quarter hours Environmental Design; 12 quarter hours Social Sciences; 8 quarter hours Literature; 8 quarter hours Writing.

Program is preparatory for careers and/or future study in the natural and social sciences, environmental studies, environmental education/community development and design related studies.

Additional courses allowed: No
Internship possibilities: No
Re-Introduction To Education

Fall, Winter, Spring/Group Contract for 8 quarter hours
Sponsor: Nancy Allen
Enrollment: 44
Prerequisites: None.
Special Expenses: None.
Part-Time Options: Program is part-time with option for 12-16 quarter hours.

This is a study group designed for women making the transition from home or work to school. The group will provide a place for women who join it to gain self-confidence, develop academic skills in an individualized way, meet new people, and think with those people about what to do next. Our study will focus on the individual and collective creativity of women. Women have always been creative beings, whether in the gardens they grow, the jokes they tell, the jobs they do, the novels they write, or in the supportive social forms they have evolved. We will read history, novels, and autobiography, which support this premise as well as studying women's creativity as captured on tape and film. A probable book list includes: Nancy Cott, *The Bonds of Womanhood*; Toni Morrison, *Sula*; Harriette Arnow, *The Dollmaker*; and *The Maimie Papers*. Autobiographical writing will be combined with workshops on essay writing and essay assignments to insure that every student learns to write a clear, well-organized college paper, saying something important to her in her own voice. Every week, students will read one book, write two to four pages, and spend six hours with the group. Class time will include two book seminars, a lecture and a writing workshop.

Planned equivalencies: 12 quarter hours Seminar on Women in Society; 6 quarter hours English Composition; 6 quarter hours History and Literature of American Women
Program is preparatory for careers and/or future study in all areas of college study.
Additional course allowed: Yes
Internship possibilities: No

Society and the Computer: A Study of Computer Technology and Social Values

Fall, Winter/Coordinated Study
Coordinator: George Dimitroff
Enrollment: 60-66
Prerequisites: None.
Special Expenses: None
Part-Time Options: Yes

The computer industry is both a dynamic factor in the growth and structure of the economy and a potential threat to democracy, with regard to control of information and resources. Through their reading in the social sciences, students will learn how computers are rivaling the automobile industry for economic impact in the 1980s. At the same time, students will learn how computers make it possible for public and private organizations, through data banks, to gain access to private financial records or through systems of numerical control, to undermine workers' ability to control their own working conditions.

Students will learn how scientists and social scientists have tried to anticipate, project, and even avoid problems by modeling them on computers. The World III model of Limits to Growth and the model of the effect of fluoro-carbons on the ozone layer are two examples of computer simulations.

Students will learn about the technology of computers—what they are and how they work. Students will also learn the Basic programming language and write programs using the college's Hewlett-Packard 2000 time-sharing computer system. Particular programming techniques appropriate to students' individual interests—in the sciences, arts, or business—will be taught.

Planned equivalencies: 8 quarter hours History and Social Science; 8 quarter hours Individual Project; 8 quarter hours Computer Science and Programming.
Program is preparatory for careers and/or future study in Accounting, Economics, Computer Science, Management, Natural and Social Sciences, Mathematics.
Additional course allowed: No
Internship possibilities: No
Annual Programs

Annual programs are created and offered afresh each year. They are our way of responding to current faculty interests, as well as to the need for more spontaneous and wide-ranging experimentation on the part of students than is sometimes possible in the more fixed specialty areas. (Student participation in program planning is, however, by no means limited to the Annuals area.) Annual programs are intended to be offered only for a single year. Because the Annual Programs arise out of more spontaneous demands, they are not all planned at this point and listed in the Catalog. You will receive an update of the academic programs with a description of new Annuals later in the year.

The Human Condition: Our Neolithic Roots

Fall, Winter, Spring/Coordinated Study.
Coordinator: Beryl L. Crowe.
Enrollment: 44.
Prerequisites: Basic program.
Special Expenses: None.
Part-Time Options: No.

This program involves the humanities, the social and biological sciences, and the expressive arts in questions evolving from the following premises:

1. The nation-state is no longer a viable institution for performing essential functions in the human condition (protection from external threat, allocation of scarce resources, etc.) because it can no longer sustain the human commitments necessary for successful operation.

2. Dilemmas in the psychic and existential life of modern man arise not from his biological nature, but rather from the repression of his biological nature developed in the process of his becoming the first domesticated animal.

3. Because we are still the same biological creature as neolithic man, life in the post-nation-state may more closely resemble that in neolithic man's first affluent society than any which modern man, domesticated and caged into the nation-state, experiences.

4. Thus, we may best glimpse our future by studying the social structure, artifacts, biological mandate, and cultural residues of neolithic man.

These premises lead us to examine man's artistic, intellectual, economic and social past from Peking Man through Homer and the opening of the Bronze Age. This study will expose us to a mind that could recognize and live with qualities, a mind to which a unified, logical field of vision was foreign. This study will be pursued through the examination of such materials as:

- WINTER QUARTER: Life In the First Affluent Society—M. Sahlins, Stone Age Economics; Ucko & Rosenfield, Palaeolithic Cave Art;
- SPRING QUARTER: Contemporary Echoes of the Bicameral Mind—H. Arendt, Between Past and Future; P. Picasso, Pablo Picasso

Students will be expected to complete two-year-long projects in the arts, as well as a final synthesizing program project.

Planned equivalents: 8 quarter hours Introduction to Anthropology; 8 quarter hours Introduction to Physiology of the Brain; 8 quarter hours Prehistoric Economics; 8 quarter hours Prehistoric Ecology; 8 quarter hours Prehistoric Political Systems; 8 quarter hours The Evolutionary History of Man.

Program is preparatory for careers and/or future study in anthropology, environmental studies, art, economics, psychology.

Additional course allowed: (under advisement) Internship possibilities: No
Environmental Studies is an interdisciplinary examination of human and natural systems and their impact on each other. The Specialty Area emphasizes field ecology and natural history, environmental design and planning, and small scale agriculture.

Field Ecology and Natural History: Work on the plant and animal ecology of both wilderness and settled areas, terrestrial and aquatic, emphasizing observation and description of organisms and their interactions with geologic cycles.

Environmental Design and Planning: Work on the human presence in the natural environment by investigating patterns of settlement and assessing their impact on affected natural and human systems.

Small Scale Agriculture: Work on the ecology of cultivated areas, on-theoretical and experimental foundations for innovative methods of cultivation, and on the proper relation of agriculture to society.

Focus on the Pacific Northwest will allow for a maximum of field work and for dealing with real-life issues.

The expectation is that students will enter the specialty area by taking Introduction to Environmental Studies fall quarter and then take either Evergreen Environment or Environmental Design winter and spring. Alternately, students can enter through Energy Systems or Small Scale Agriculture. Advanced work is available through Applied Environmental Studies and a variety of independent study opportunities.

### Introduction To Environmental Studies

- **Fall/Coordinated Study**
- **Coordinator:** Al Wiedemann
- **Enrollment:** 56
- **Prerequisites:** Basic Program or equivalent.
- **Special expenses:** Field trips
- **Part-Time Options:** Yes

Introduction to Environmental Studies is a one-quarter survey of natural environments and human communities and the ways in which they interrelate and shape one another. It will be an investigation of organism classification, the basic principles of ecology, and the structure and function of human and natural systems. Of primary interest will be those cultural, economic, and political aspects that influence relationships between human beings and nature. The principles of both the social and natural sciences will be applied through field projects.

Planned equivalencies: 4 quarter hours survey of plant and animal kingdoms; 4 quarter hours fundamentals of human ecology; 4 quarter hours Introduction to Environmental Studies; 4 quarter hours outside approved course.

Program is preparatory in careers and/or future study in Environmental Design, Evergreen Environment, careers with environmental emphasis (e.g., ecology, natural history, planning).

Additional course allowed: Yes

Internship possibilities: No
Evergreen Environment VII: The Nature of Natural History

Winter, Spring/Group Contract Coordinator: S.G. Herman
Enrollment: 44
Prerequisites: Introduction to Environmental Studies, or its equivalent and basic plant morphology
Special expenses: Approximately $150 for a field trip. Also, each student will be required to own good quality binoculars, a hand lens, dissection kit and a set of plant and animal field guides.
Part-Time Options: None.
The objective of this program is to provide the student with the basic skills and understanding necessary to competently observe, interpret and record natural phenomena as they concern plants, animals and their environment. The theme of the program will be the nature of natural history, developed through field work and readings in the history of natural history, ecology, and the lives of prominent naturalists. Field work will involve the scientific description of landscapes, including the identification of plants and animals, using a rigorous record keeping system, the field journal and species counts, which will be the nucleus of student work and will be of great importance in the evaluation process. Instruction will emphasize the proper use of the field journal and species accounts, the improvement of organism identification skills, and the description, collection and preservation of biological specimens. Students will also be taught to use library references in the development of papers and presentations. The spring quarter will feature a two-week field trip through coastal Washington and Oregon to Malheur National Wildlife Refuge in southeastern Oregon.
Subjects emphasized: Zoology, Botany, Ecology, Natural History
Planned equivalencies: 5 quarter hours Natural History of the Pacific Northwest; 5 quarter hours History of Natural History; 5 quarter hours Field Records in Natural History; 4 quarter hours Ecosystem Ecology; 4 quarter hours Field Zoology; 4 quarter hours Field Botany; 4 quarter hours Ornithology
Program is preparatory for careers and/or future study in environmental sciences, biological sciences, preparation for work with resource agencies.
Additional course allowed: No
Internship possibilities: No

Environmental Design

Winter, Spring/Group Contract Coordinator: Stan Klyn
Enrollment: 44
Prerequisites: Any Basic Evergreen Program, Introduction to Political Economy, Introduction to Environmental Studies, or Energy Systems
Special expenses: Approximately $30.00 for field trips and studio supplies.
Part-Time Options: None.
Environmental Design is a two-quarter program whose goal is to develop an understanding of the connections between cultural life patterns, natural environments, and the physical and social structures of human societies. We will analyze ways in which environments act upon us, so that we, in turn, may choose the ways in which we interact with our environment. We want to learn how to identify real design problems, to understand their implications, and to form practical and humane solutions.
Fundamental material in design methodology, community structure, planning, physical geography, three-dimensional design and graphic communication will be studied through faculty lectures, guest speakers, films, seminars, studio instruction, field trips, research projects and practical applications. Emphasis will be placed on improving visual literacy, developing a design vocabulary and recognizing patterns of social behavior.
Subjects emphasized: Planning, Design Theory, Graphic Communication, Three-Dimensional Design, Human Geography, Community Studies
Planned equivalencies: 8 quarter hours Design Theory; 4 quarter hours Graphic Communication; 4 quarter hours Three Dimensional Design; 8 quarter hours Human Geography; 8 quarter hours Community Studies
Program is preparatory in careers and/or future study in design professions and environmental planning.
Additional course allowed: Yes
Internship possibilities: Yes

“When we see land as a community to which we belong, we may continue to use it with love and respect.”
Aldo Leopold
Energy Systems

Fall, Winter, Spring/Group Contract

Sponsor: Rob Knapp

Enrollment: 33

Prerequisites: Basic Evergreen Program or equivalent; Precalculus Math, Basic Physics IKS or equivalent background

Special expenses: Annual meeting to another city. Also two or three field trips.

Part-Time Options: Yes

The energy problem is a complex one. To obtain a balanced understanding of it, one is inextricably led to consider its economic, socio-political, and technological aspects. The goal of this year-long program is to provide the breadth needed to evaluate the overall nature of the problem and to develop depth of understanding in one of its principle aspects.

Fall quarter will focus on understanding energy—what it is—and how it is stored, produced, converted, distributed, and utilized by modern society. The program's emphasis during the winter quarter will be to acquire the depth of understanding needed to analyze an aspect of energy in detail preparatory to carrying out a research project.

Spring quarter will focus on research projects. Students will find suitable projects in the areas of energy storage, biomass conversion, economic analysis, alternative energy policy formulation, or in determining the feasibility of a particular solar, wind or geothermal system. The projects will have a "hands-on" emphasis and a concerted attempt will be made to produce serious and useful results.

Learning activities throughout the first two quarters will include a series of lectures by the program faculty on scientific, technical, and economic topics; a reading seminar dealing with a few but important questions involving the social, economic, and life-style aspects of the study; and workshops for developing and sharing technical skills.

Subjects emphasized are: applied sciences, economics, and ecology

Planned equivalencies: 4 quarter hours Thermodynamics; 3 quarter hours Transport Processes; 8-12 quarter hours Calculus or Advanced Math; 4 quarter hours Solar Energy; 4 quarter hours Alternative Energy Systems; 6-8 quarter hours Energy Futures, Policy, etc.; 3-6 quarter hours Conventional Energy Systems; 4-6 quarter hours Research; 4 quarter hours Architectural Drawing; 4 quarter hours Electronics.

Program is preparatory for careers and/or future study in applied sciences, energy planning and management, advanced energy studies, engineering.

Additional course allowed: Yes. Consent of coordinator required.

Internship possibilities: To be determined

This program depends upon obtaining authorization for faculty hiring.

Small-Scale Agriculture: A Study of the Small Farm

Fall, Winter, Spring/Group Contract

Sponsor: to be determined

Enrollment: 22

Prerequisites: Basic college ability in writing, critical reading, discussion, basic background in natural or social sciences

Special expenses: None

Part-Time Options: Not yet determined.

The subject of this three-quarter program is the small farm in contemporary society. We will be examining the survival of small scale farming in the face of contemporary and economic change, and survival on a small farm through study of the sciences and skills necessary for socially and ecologically sound agriculture.

If small farms are to survive, farmers must become aware of the social and political factors which impact agricultural lands and practices. Students will be introduced to approaches that can be used to preserve agriculture and the various political and legal factors that affect small farms.

If small farms are to play a part in our agricultural future, there will be a need for more practitioners; therefore, a portion of the program will be devoted to studies in practical agriculture and the agricultural sciences such as economic botany, horticulture, agronomy, soil science, entomology, plant pathology and agricultural economics.

Students will obtain "hands-on" experience through work in the garden at the College's Organic Farm. In addition students will keep a journal detailing farm activities and farming results, complete a series of reports relating farm observations to information developed in other aspects of the program, and complete substantial library and field research involving some aspect of small scale agriculture.

Subjects emphasized: Agricultural Science and the related social sciences.

Planned equivalencies: Agricultural Sciences and related social sciences.

Program is preparatory for careers and/or future study in small-scale agriculture, environmental studies, rural planning, and alternative food marketing.

Additional course allowed: No.

Internship possibilities: To be determined

This program depends upon obtaining authorization for faculty hiring.
The universe is not only queerer than we suppose; it is queerer than we can suppose.

J. B. S. Haldane

Applied Environmental Studies:
The Evergreen Master Plan

Fall, Winter, Spring/Coordinated Study
Coordinator: Richard Cellarius
Enrollment: 44

Prerequisites: Earth Environments, or Environmental Design, or Matter and Motion or Introduction to Political Economy or equivalent (intermediate level work in ecology, environmental science, planning, or political economy).

Special Expenses: None other than clothing necessary for doing field work in the rain and cold.

Part-Time Options: Yes.

The goal of this advanced program is to prepare a revised land-use plan for The Evergreen State College campus. The major focus will be on forested areas and shoreline outside the campus core, with the objective of producing a plan that recognizes both the ecological constraints and the needs of the campus community.

Fall and winter quarters, we will discuss natural and social science research techniques, land-use planning, the environmental assessment process, ecology forest and shoreline management, and public decision-making in lectures, seminars and workshops. Class meetings will be held late afternoons or evenings to accommodate part-time students, who would participate only in this part of the program.

Applied work fall quarter will first involve making a complete review of previous plans and studies, current uses and future commitments for the campus. Students will then design and initiate base studies, such as biological field work and community surveys, which will provide the physical, biological and social data that must be considered in developing the master land-use plan. Winter quarter we will complete the field studies and produce a draft plan and environmental impact assessment for community review and comment. Students with strong backgrounds in one area will be expected to work with students with strengths in other areas, so that all can learn and integrate the many disciplines necessary for environmental planning.

Spring quarter, we will revise the plan in response to the comments received and submit a final proposal to the Board of Trustees for its consideration. Lectures and seminars will continue on topics selected by students and faculty related to the basic theme of environmental planning.

Planned equivalencies: 16 quarter hours Land-use and Environmental Planning; 16 quarter hours Ecology, Forestry, and Environmental Management; 16 quarter hours field work and research in environmental problems.

Program is preparatory for careers and/or future study in Ecology, Forestry, Planning, Environmental Impact Assessment, Natural Resource Management, Wildlife Management, Community Development

Evergreen offers a unique opportunity for advanced work in Environmental Studies which include The Applied Environmental Studies Program using teams of students to solve local environmental problems (contact Richard Cellarius) and The Environmental Pollution Laboratory focusing on pesticide—wildlife research (contact Steven G. Herman), research aides for the Planning Association of Washington studying contemporary land use issues (contact Russell Fox), The Organic Farm focusing on small scale agriculture (contact Carolyn Dobbs), and internships and research projects sponsored by faculty within the specialty area (contact Kaye V Ladd).

Other offerings closely related to Environmental Studies:

- Political Ecology; Outdoor Education, Health, Individual and Community; Humanism and Science: Two Cultures in Transition.
- For intermediate or advanced students: The Clash of Cultures: Historical Perspectives on Washington State; Exploration; Salmon; The Marine Environment: Marine Biology; Freshwater Ecology; Issues in Human Survival: Choices and Consequences; Introduction to Natural Science; Advanced Chemistry; Physics and Mathematics; Matter and Motion; Introduction to Political Economy.
Programs in European and American Studies will be concerned with the historical and political trends, artistic and literary documents, social patterns, symbols, religious beliefs and ideological convolutions that comprise the way we now think and make up our past (and future) as well. What are Americans and how did we get this way? How is it that North America is dominated by the descendants of Europeans but is very unlike Europe? What does it mean to be a Native, Black, Chicano, Asian, or Anglo-American? These and other central problems will be studied to give us a better understanding of our world and ourselves in this world.

Study in this specialty will draw on the disciplines of literature, history, philosophy, and the subdisciplines of arts history, social and economic history, cultural history, aesthetics and literary theory, and Third World Studies, among others. But their methods and concepts will always be applied to basic human questions, not learned as isolated specialties.

Students in European and American Studies may expect to develop concepts, techniques, and intuitive knowledge to which they will be introduced at the intermediate level. These crafts and skills will include: an historical sense, a more developed sense of language, advanced and refined writing skills (expository and creative), the comprehension and evaluation of ideas, symbolic analysis and interpretation, concept development, increased cultural awareness, and critical and precise close reading of texts, documents and artifacts.

Formation of Modern Society
Fall, Winter, Spring/Coordinated Study
Coordinator: Matt Smith.
Enrollment: 66.
Prerequisites: 1 year of college or basic coordinated studies program.
Special Expenses: None.
Part-Time Options: Yes.

This entry level program offers intensive training in the fundamental concepts which are essential to advanced work in literature, history, psychology, anthropology, art history, philosophy and social theory. Students should also acquire the general background they could expect from a survey course on the last three hundred years of Western civilization, but we are primarily interested in helping them develop the capacity to make their own careful judgments about books, pictures, and events. The emphasis will be on careful consideration of great works and a few critical historical developments. Papers and discussion in small groups will center on such major figures as Voltaire and Jane Austen, Marx and Dickens, Virginia Woolf and Picasso.

We will begin in the eighteenth century with the rise of mercantile nation states and new ideas about making progress by rationally reordering the social and natural world. Then we will study some of the historical developments which have severely tested these beliefs. In the fall quarter we will concentrate on the French Revolution's effort to reorder political life and reactions to it in art, literature, and social theory. Winter quarter will center on the benefits and costs of rationalizing human work during the Industrial Revolution. In the spring we will consider contemporary issues involving the limits of rationality and human control; possibilities include the character of modern war, problems in medical ethics, and proposals for responding to the environmental crisis.

Students should have the opportunity to think deeply about the development and value of some of the central forces and ideas in modern life. We will give important works of the past few centuries the attention they deserve. In addition to practice in library research and expository writing, students will get rigorous training in understanding hard texts and complicated situations which will be essential in advanced study and careers.

Planned equivalencies: 6 quarter hours Literary Interpretation; 4 quarter hours Art Historical Interpretation; 4 quarter hours Early Modern Political Theory; 4 quarter hours History of the French Revolution; 4 quarter hours Rise of the Novel; 4 quarter hours History of Industrialization; 2 quarter hours Interpretation in the Social Sciences; 10 quarter hours Western Civilization: 18th to 20th C; 4 quarter hours Modernism in Art and Literature; 4 quarter hours French Novel in Translation; 2 quarter hours Modern Painting.

Program is preparatory for careers and/or future study in humanities and social sciences, teaching, writing, human services.

Additional course allowed: No
Internship possibilities: No
"The lord whose oracle is at Delphi neither speaks nor conceals but gives signs."

Heraclitus

Dialectics of American Culture: Advanced Studies In American Literature And Thought, 1830-1960

Fall, Winter, Spring/Coordinated Study
Coordinator: David Marr.
Enrollment: 44.
Prerequisites: Entry level program in this area or its equivalent.
Special Expenses: None.
Part-Time Options: No.

The real America, George Santayana once declared, is not to be found in its literary masterpieces celebrating the individual's heroic struggle for freedom, in documents proclaiming the infinite beauty of the solitary soul, or in programs for moral uplift. The real America is to be found in football, jazzbands, and money-making. Santayana's thesis suggests the central problem to be investigated in this advanced program of study in the humanities.

The life of the mind in America has always been a precarious affair; its achievements in literature, social criticism, and philosophy either rooted in some sense of community, of place, or tied to the wish for genuine community. Writers and intellectuals from Emerson and Hawthorne to Marcuse and Mailer have alternately hated and loved the America of their day. And running through their work is the lingering suspicion that mainstream America is where the "real action" is.

This generalization (itself to be rigorously examined on its merits in the course of the year's work) will provide a framework for our critical analysis of several interrelated themes in American literature, life, and thought. "Build, therefore, your own world," Emerson advised, thus succinctly stating a first premise of American culture. Other themes include: the dialectic of freedom and equality; alienation and conformity; the possibility of autonomy in mass society; the integration of labor and culture; and the tension between idealism and opportunity. We will read, seminar, and regularly write about a small number of classic texts by authors such as: Emerson, Tocqueville, Thoreau, Hawthorne, Melville, Whitman, Dewey, Dreiser, Masters, W. James, Adams, Marcuse, Kesey, Heller, Bellow, and Mailer.

The major project for the year will be a senior thesis, the research, writing and re-writing of which will be carried out under close faculty supervision.

Planned equivalencies: 16 quarter hours American Intellectual History: Society and Thought, 1830-1960; 16 quarter hours Major American Writers (topic(s) specified to reflect student's main work for the year); 8 quarter hours Independent Study in American Civilization (topic(s) specified to reflect student's main work for the year); 8 quarter hours Advanced Expository Writing Tutorial.

Program is preparatory for careers and/or future study in humanities.

Writing Poetry

Fall/Group Contract.
Sponsor: Craig Carlson.
Enrollment: 44.
Prerequisites: None.
Special Expenses: Field trips to Seattle and Port Townsend.
Part-Time Options: No.

This intermediate program concerns a fascination for what is difficult. Writing poetry can best be described as an impish attempt to paint the color of the wind.

Our objectives are ambitious—to elevate the quality of one's writing and understanding of poetry. Poems will be considered both as texts for publication and as scripts for performance.

There will be an immense variety of weekly writing and a chapbook of poetry and major expository paper due at the end of the quarter. We will read Shakespeare, Donne, Dickinson, Merwin, and Shange and study their treatment of time.

Planned equivalencies: 4 quarter hours Art: Elements of Aesthetics; 4 quarter hours Creative Writing: Poetry; 4 quarter hours English Composition; 4 quarter hours Understanding Poetry (Literature).

Program is preparatory for careers and/or future study in art and/or humanities, writing and communications.

Additional course allowed: Yes
Internship possibilities: No
"Knowledge always desires increase: it is like fire, which must first be kindled by some external agent, but which will afterwards propagate itself."

Samuel Johnson

Russia—USSR

Summer, Fall, Spring, and (optionally) Summer, 1980-1981 Coordinated Study
Coordinator: Andrew M. Hanfman, Lib. 2106, Phone 866-6049
Enrollment: 44.
Prerequisites: Basic program at Evergreen or one year of college study emphasizing writing, critical reading and group discussion. Interview with faculty required for admission.
Special expenses will be required if study and travel in the USSR in summer, 1981 are desired—approx. $2,500-2,700.
Part-Time Options: Yes.

The program is designed for students who want to obtain a comprehensive understanding of the Russian-Soviet civilization and society and learn the Russian language well enough to have a usable tool in their graduate studies or careers. The core subjects of the program are the political, economic and social history of the pre-revolutionary and post-revolutionary periods (with greater emphasis on the period 1905 to date), literature of the 19th and 20th centuries, history of Russian art in all its significant manifestations, Soviet economics, and Russian language. Special workshops on Soviet government and party structure, nationality and minority problems in the USSR, and women's role in the Soviet society will also be offered.

The program will offer two "tracks" which can be followed separately or jointly: language and area. The program will begin with intensive language training in summer 1980, which will last 10 weeks and teach students contemporary Russian. The language study will continue, though less intensively, throughout the entire program, culminating in 6-8 weeks of study and travel in the USSR. The summer language program is open to all students, including those who do not elect to sign up for the entire program. Students who do not wish to participate in the language study can join the program in fall quarter. All lectures, seminars and workshops will be conducted in English. Students who will not take the Russian language will be expected to take part in at least two program workshops each quarter. Obviously, the greatest benefit in terms of language proficiency and area expertise will accrue to students who participate in offerings of the program in all four/five quarters.

Part-time students can participate in the program by attending the weekly lectures, reading 4-5 books from the program reading list, and submitting a term paper at the end of the quarter. Four (4) quarter hours will be awarded for this work.

Planned equivalencies: Summer 1980—16 quarter hours Russian Language; Fall 1980—4 quarter hours Russian Language, 4 quarter hours Russian History, 4 quarter hours Russian Literature. 4 quarter hours Russian History-Literature-Art History—depending on workshop/research paper; Winter 1981—same as fall but substitute Soviet for Russian; Spring 1981—6 quarter hours Russian Language, 2 quarter hours Soviet Literature, rest same as winter; Summer 1981—16 quarter hours Russian Language.

Program is preparatory for careers and/or future study in European history, Slavic studies, government journalism, translations, research. Additional courses allowed: Yes
Internship possibilities: No

Other offerings closely related to European and American Studies:
While each of the Basic Programs meets the Entry expectations of European And American Studies, those most closely related in specific content are Humanism and Science: Two Cultures in Transition, Reintroduction to Education, Explorations in Perception, Outdoor Education, Great Works.

The study of the arts at Evergreen is holistic. Skill development, aesthetics, history and theory, being inextricably bound together, are taught so. All of the arts—music, dance, film, video, creative writing and the visual arts—are seen as fundamentally unified expressions of human experience. Thus, the arts curriculum at Evergreen emphasizes: 1) the progressive development of students’ artistic skills and concepts, 2) the exploration of commonalities and differences among all the arts with specific attention to the study of artistic collaboration, and 3) the integration of the arts and other disciplines.

Curricular offerings in the Expressive Arts include: entry-level programs in visual arts, performing arts and media arts to insure basic skill development, intermediate and advanced programs which allow for continued skill development in a particular area, coordinated study programs which foster collaboration among the arts at the upper class level, and coordinated study programs which integrate the arts with other disciplines. In addition advanced students are encouraged to utilize the individual contract and internship for further specialization.

Students in the first year of college are urged to take one of the Basic Programs. A Basic Program or its equivalent is the prerequisite for enrollment in any of the entry-level programs in the Expressive Arts. Second year, entry-level programs include Foundations of the Visual Arts for visual art students, Foundations of Performing Arts for music, theatre and dance students and Recording and Structuring Light and Sound for media students.

"It is the collaborative spirit that instills us with all the reckless confidence we need to take the risks which welcome a new creativity."

Sarah McGuire

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**Foundations of Performing Arts**

- Fall, Winter, Spring/Coordinated Study
- Coordinator: Alnara Wilder
- Enrollment: 44
- Prerequisites: One year of college level work in a basic program or its equivalent.
- Special Expenses: Clothes, concerts, supplies, make-up kit.
- Part-Time Options: No.

The primary goal of this program is to sharpen the skills needed to function as a performing artist. Through symposiums and studio work, the students will be exposed to history, methods, practice and performance. Weekly group meetings and smaller sections will include all aspects of dance, theater, and music with the emphasis on developing abilities for advanced studio and production work.

Fall and winter quarters will concentrate on history and specialized studio work. Spring semester will include complete productions of student works and advanced individualized projects.

The following choices for studio work are available to each student enrolled: choreography, dance history, movement for theater, music history, music composition, audio engineering, voice and diction, dramatic literature, stage makeup-costume, props, stagecrafting, stage manager, design, lighting, acting.

The following subjects are emphasized: History, practice, composition, technique, performance, aesthetics.

Planned equivalencies: 4 quarter hours Choreography; 4 quarter hours Dance History; 4 quarter hours Music History and Aesthetics; 4 quarter hours Movement for Theater; 4 quarter hours Music Composition; 4 quarter hours Audio Engineering; 4 quarter hours Rehearsal Performance; 8 quarter hours Beginning Acting; 4 quarter hours Dramatic Literature; 4 quarter hours History of Theatre; 4 quarter hours Individual Study and Performance.

Program is preparatory for careers and/or future study in performing arts, theater, dance, music.

Additional course allowed: Yes

Internship possibilities: No
Foundations of Visual Art
Fall, Winter, Spring/Coordinated Study
Coordinator: Dave Gallagher.
Enrollment: 40.
Prerequisites: One year of college level work involving the development of skills in reading, writing and basic research. No previous experience in the arts is necessary.
Special expenses: Personal studio supplies, books, fees. Lab fee $10.00/quarter.
Part-Time Options: Yes.
FOVA is a program designed as an introduction to the Visual Arts at Evergreen. The program has as its goals:
(1) development of skills in design, drawing, sculpture and painting;
(2) give students an introduction to aesthetics, criticism, and topics in art history;
(3) encourage students to consider the relationship between the arts and the larger world;
(4) acquaint students with the scope of the Visual Arts at Evergreen.
Each week students can expect to work in studio 16 hours, attend critique seminars, a lecture, and a discussion group. In addition, each student will be expected to enroll in an outside course which may or may not be art related.
Planned equivalencies: 3-4 quarter hours 2-D Design Process; 3-4 quarter hours 3-D Design Process; 3-4 quarter hours painting; 3-4 quarter hours Sculpture; 3-4 quarter hours Drawing; 12 quarter hours Art History; 2-4 quarter hours Art Appreciation, 12 quarter hours studio course.
Program is preparatory for careers and/or future study in visual arts, humanities. Additional course allowed: yes.
Internship possibilities: No.

Recording and Structuring Light and Sound
Fall, Winter/Group Contract
Sponsor: Sally Cloninger.
Enrollment: 22.
Prerequisites: Sophomore Standing or Above.
Special Expenses: Lab fee: $20/quarter plus approximately $60 for raw stock and processing during the first quarter and probably two or three times that amount for their production during the second quarter.
Part-Time Options: No.
Recording and Structuring Light and Sound is the entry-level media arts program designed to provide the student with a basic yet comprehensive background in the technical, theoretical and aesthetic aspects of non-fiction imagemaking, with emphasis on film, video and audio production.
Students will spend fall quarter acquiring specific technical skills, exploring the design process as it applies to these media, executing various experiments in visual imagemaking, screening and evaluating extant films, and videotapes, attending lectures and design seminars, and preparing for the production of a complete film (5-8 or 16mm) or videocassette during winter quarter.
In Technique Workshops students will be instructed in preproduction design, cinematography (including camera operation and location lighting), sound recording for film and video, editing, sound recording and mixing, graphic design for film and video and post-production techniques. Although technical skills will be stressed, the overall emphasis of this Group Contract will be on experimentation and the development of a critical viewpoint with regard to one's own imagemaking. In addition, students will be exposed to various other applications of non-fiction imagemaking, including documentary photography, the "new journalism" and the documentary novel.
Subjects Emphasized: Communications, design process, ethics, film, television, audio, visual art.
Planned equivalencies: 6 quarter hours Motion Picture Production I; 6 quarter hours Motion Picture Production II; 4 quarter hours Sound for Film and Television; 4 quarter hours Documentary Film History; 4 quarter hours Nonfiction Film Theory; Criticism, Aesthetics; 4 quarter hours writing and design for Film and Television; 4 quarter hours Independent Project in Film or Video.
Program is preparatory for careers and/or future study in Communications, Film, Video, and Visual Art. Additional course allowed: No.
Internship possibilities: No.

"First we see the hills in the painting, then we see the painting in the hills."
Li Li-Weng
Camerawork: Intermediate and Advanced Photography

Prerequisites: Previous college-level study of photography, or equivalent experience. Admission by portfolio of previous photographic work.
Special Expenses: Photographic film and paper.
Part-Time Options: None.

An intensive experience in developing photographic vision through concentration of camerawork—on seeing through the lens of a camera. The emphasis will be on small-format, black-and-white photography, and on production of a portfolio of self-expressive images. The portfolio is to consist of work which gives symbolic expression to the photographer's own thoughts, feelings, sensations, intuitions, commitments, and uncertainties, and it is to be of fine technical quality.

The main activities will be photographing, principally in black-and-white; darkroom work; technical classes, field trips, and critiques.

Subjects emphasized: Visual art, communications, history of photography. Planned equivalencies: 8 quarter hours Intermediate and/or advanced photography; 4 quarter hours History of photography; 4 quarter hours Aesthetics and criticism.

Program is preparatory for careers and/or future study in photography, two-dimensional visual art, communications, photojournalism.

Additional course allowed: No
Internship possibilities: No

Design in Music

Prerequisites: First year music theory. Sponsor's signature required. Special Expenses: Books and manuscript paper.
Part-Time Options: Yes

Design in Music will provide the concentrated work in music necessary to prepare students for a variety of advanced study options. All students in the contract will study music theory of the late 19th and early 20th Centuries, the period during which traditional harmonic and formal practices disintegrated and contemporary ways of design music emerged. Debussy, Strauss, Mahler, and Ives will be representative figures in this study.

In addition, all students in the contract will learn to identify musical design in an historical context. Fall quarter, we will examine the ways in which Medieval and Renaissance music was composed and compare it to contemporary stylistic trends in the visual arts. Social and aesthetic influences upon creative work will be elements of this study. Winter quarter, the focus will be on Baroque and Classic period works; and spring quarter will provide an exploration of Romantic and Contemporary stylistic tendencies.

In addition to the shared core of program activities outlined above, students will be able to choose from a variety of performance, composing, and research options, some of which will be offered as regular courses and some of which may be arranged in consultation with the sponsor. Among these options will be Evergreen's performance ensembles, electronic music, instrumental and vocal composition, applied music studies, orchestration, collaborations with students experienced in other art forms, and research which unites music with such study areas as psychology, philosophy, and the science of acoustics.

Western music will be emphasized in this program. However, because contemporary Western music has been heavily influenced by Eastern traditions and because popular and "classical" musics are drawing ever closer together, creative eclecticism will be an important thematic focus of Design in Music.

Planned equivalencies: 12 quarter hours Music; 12 quarter hours Advanced Music Theory; 12 quarter hours Form and Analysis; 12 quarter hours Performance Option.

Program is preparatory for careers and/or future study in any aspect of music.
Additional course allowed: Yes
Internship possibilities: No
Arts Symposium
Organizer: Charles Teske

Expressive Arts
This series of weekly lectures, interdisciplinary discussions, and other presentations will bring together the students and faculty members of the group contracts Art of Theatre; Creative Jazz, Pop, Rock Musician; Making Dances; and Take Two: Intermediate Filmmaking. We shall work on forms combining several arts, issues concerning contemporary artists, and the common aesthetic principles underlying the various artistic media. It will be a time for recognizing our similarities, understanding our differences and thinking about opportunities for collaboration in the future by examining successful collaborations of the past.

Making Dances
Winter, Spring/Group Contract.
Sponsor: Meg Hunt.
Enrollment: 22.
Prerequisites: A year of recent and intensive study of modern dance technique, a year of previous college work, which included mastery of basic college-level reading and writing skills.
Special Expenses: Leotards and tights, concert tickets.
Part-Time Options: None.

This group contract will be concerned with the making of dances: the "raw material" from which they are made, both internal and external, and the craft by which this material is made intelligible to the observer. This exploration will culminate in a public performance in the spring. (Other performances may occur.)

The program will include a daily intermediate-level modern dance technique class as well as classes in composition/choreography, improvisation, and theory of dance. The group will gain an historical perspective on modern dance and other arts through readings and in the weekly meetings of the Arts Symposium. Books will probably include Nadel and Miller, The Dance Experience, Humphrey, The Art of Making Dances, and writings by Duncan, Herrigel, Cage, and others. Students will spend considerable time outside of class rehearsing. A course may be taken during winter quarter only, due to the spring performance.

To enroll, you must have had a year or more—recently—of modern dance technique, attended faithfully at least twice a week, a year of completed college work, and mastery of basic college level reading and writing skills. Exceptions by special permission only.

Planned equivalencies: 8 quarter hours modern dance technique; 8 quarter hours dance composition/choreography; 4 quarter hours dance performance; 4 quarter hours history of modern dance; 4 quarter hours aesthetics; 4 quarter hours dance improvisation.

Program is preparatory for careers and/or future study in choreography, and "performing."

Additional course allowed: Yes
Internship possibilities: No

Take Two: Intermediate Filmmaking
Fall, Winter/Group Contract
Sponsor: Visiting Faculty (contact Sally Cloninger).
Enrollment: 22.
Prerequisites: Junior year standing or above and Recording and Structuring Light and Sound or its equivalent. Portfolio and interview.
Special Expenses: $45 Lab fee for film stock and supplies; students will provide additional materials for individual production work.
Part-Time Options: None.

Students in this intermediate media arts program will have the opportunity to continue the development of their filmmaking skills. The activities of this group contract will include weekly lectures and screenings on theatrical film history, intensive short-term workshops on cinematography, editing, lighting, and post-production practices (including a field trip to a film lab), instruction in film economics including legal practices, copyright law and obtaining music rights and an opportunity to work on one of several large group productions.

Students will develop the scripts for these films during fall quarter, cast the films, select the crew and then produce them during winter. Students will be encouraged to utilize portable video for tests but all winter quarter production work will be in 16mm film.

Readings may include: Bohn and Stromgren, Light and Shadows, Malkiewicz. Cinematography, Braudy and Dickstein, Great Film Directors and Bello, American Film Industry.

Planned equivalencies: 8 quarter hours Collaborative Filmmaking; 4 quarter hours introduction to Theatrical Film History; 4 quarter hours Cinematography; 4 quarter hours Editing; 4 quarter hours Directing for Film; 4 quarter hours Film Theory II; 2 quarter hours Film Economics; 2 quarter hours Post-Production Techniques.

Program is preparatory for careers and/or future study in advanced independent work in filmmaking, graduate school in film.

Additional course allowed: Yes, in winter quarter
Internship possibilities: No
The idea is to dislocate your vision for awhile."

Brian Eno

The Art of Theatre: From Theory To Performance
Fall, Winter, Spring/Group Contract
Sponsor: Andre Tsai.
Enrollment: 22.
Prerequisites: Foundations of Performing Arts or its equivalent.
Special Expenses: None.
Part-Time Options: No.

We all have had the experience of seeing a play taken out of mothballs and revived to the great satisfaction of modern audiences. Yet, a large number of revivals of the so-called classics have failed miserably each year. What is in operation here? Do great plays always provide great theatrical experiences for the spectators? (And, for that matter, what is a great play?) To what extent can the combined skills of the director, actors, and designers save a dull play from being a disastrous evening? Is it necessary to subscribe to a particular theory of drama in writing a play? What is the proper role of an interpretative artist such as a director or an actor? As a member of an audience, how do you react to a play?

This advanced theatre group contract is designed to explore the complications raised by some of the above questions. Further, it proposes to look closely at the multi-faceted relations between the playwright, the director, the actor, the designer and the audience.

To this end, we begin by examining some theories of drama and by studying the craft end of the theatre, i.e., playwriting, play analysis, acting, directing, and technical theatre. As a continuation of the preparatory class work, one laboratory theatre production is scheduled for fall quarter and two major stage productions involving the entire group are scheduled in the winter and spring quarter. Further, student written and/or directed works will be presented to the public in the spring quarter.

The modes of instruction include seminars, lectures, classes and individual projects. Group seminar reading list includes: Bentley. Theatre of War; Clurman. The Fervent Years; Guthrie. In Various Directions; Morton and Ehren. In Search of the Audience; and Southern. The Seven Ages of the Theatre.

Planned equivalencies: 12 quarter hours Dramatic Theory and History; 12 quarter hours Play Production; 4 quarter hours Intermediate Acting; 4 quarter hours Advanced Acting; 4 quarter hours Play Analysis; 4 quarter hours Technical Theatre; 4 quarter hours Playwriting; 4 quarter hours Directing.

Program is preparatory for careers and/or future study in dramatic literature, acting, stage direction, playwriting.

The Creative Jazz, Pop, Rock Musician
Fall, Winter, Spring/Group Contract
Sponsor: Donald Chan.
Enrollment: 25.
Prerequisites: Two years of theory preferred. Audition required.
Special Expenses: Private lessons, cost of travel to concerts, or jazz festivals.
Part-Time Options: Yes.

A one year group contract exploring the performance, theory, and history of these musical idioms.

Students in this program will be expected to rehearse and perform a wide variety of literature composed and arranged for the contemporary musician. The literature will include music for large jazz ensembles as well as original student material for small group ensembles.

Theory sessions will be devoted to work on improvisation, scoring, arranging, and composition. Students deficient in theory will be expected to take courses in respective areas to make up these deficiencies.

The final part of this program will be devoted to films, research papers, and a reading list that discusses the evolution of the contemporary idiom. Also included will be sessions on career planning and placement.

This program (as well as the school) does not have facilities for private lessons. However, there are a number of extremely gifted teachers in the Puget Sound area from which students can take lessons and these will be considered as credit generating situations.

This is an intermediate/advanced program and is limited to 25 students admitted by audition only. Audition may be accomplished by personal contact or by submitting a tape. Students will be expected to have good instrumental playing facility and some theory background (two years of theory is preferred), as well as some improvisational skills.

Those interested in auditioning or seeking further information should contact Donald Chan (206) 866-6059 or write to The Evergreen State College, 332 Communications Lab Building, Olympia, Washington 98505.

Planned equivalencies: 4 quarter hours theory; 4 quarter hours music history; 4 quarter hours arranging composition/research paper/module option; 2 quarter hours performance practices (ensemble); 2 quarter hours private lesson/module option for each quarter.

Program is preparatory for careers and/or future study in music, graduate school in music.

Additional course allowed: Yes
Internship possibilities: No
“In the beauty of poems are the truth and final applause of science.”

Walt Whitman

Vision and Expression
Fall, Winter/Group Contract.
Sponsor: Paul J. Sparks.
Enrollment: 22.
Prerequisites: One year of FVMA or its equivalent and demonstrated readiness to do advanced or intermediate level work.
Special expenses: Personal materials, frequent speakers, and field trips.
Part-Time Options: No.
Vision and Expression is aimed at the individual who wants to do serious creative work. It is open to students from the full spectrum of the visual and media arts and is shaped along the lines of an intensive, graduate studio. The principal objective will be the development of personal language and imagery through the students' creative work. Students will define their own areas of concern and work in the media of their choice. Basic technical competency will be a precondition of participation. Exceptions may be made for those who have done advanced work in creative disciplines outside visual art (e.g., creative writing), who wish to extend their experience into another art area.

The program will emphasize the development of critical and perceptual skills, against a background of ongoing examination of the issues and personalities of contemporary art history. Vision and Expression is designed to be flexible, but demanding. Accordingly, the performance expectations of the program will be greater than normal, as will the rewards. Given the overall structure, this program should be particularly attractive to students seeking advanced individual contracts or senior project opportunities within a supportive group environment.

Planned equivalencies: 8 quarter hours Contemporary Art History; 6 quarter hours aesthetics; 18 quarter hours intermediate or advanced level credit for independent studio work in the area of the student's choice. Example, a painting, student might end up with 16 quarter hours of studio credit in painting or drawing.
Program is preparatory for careers and/or study in visual arts, drawing, painting, sculpture, crafts, photography, video, performance art, etc.
Additional course allowed: Yes

Images
Winter, Spring/Coordinated Study
Coordinator: Mark Levensky
Enrollment: 44.
Prerequisites: One year of FVMA or its equivalent and portfolio with interview.
Special Expenses: Expenses required to make images.
Part-Time Options: Yes.
“Images” is designed for people who are presently making images and who are technically good at making images in any of the following ways: drawing, painting, printmaking, photography, or writing. Its goal is to help people make their own images and understand their own work and the work of others better. The program is not designed to offer people technical assistance in how to draw, paint, print, photograph or write.

Program activities will include a weekly Intensive Journal Workshop, Book Seminar and Group Meeting. One purpose of the Intensive Journal Workshop is to help people find their own images. The Book Seminar will focus on the philosophical nature of human memory the first quarter, and the philosophical nature of human imagination the second quarter. Each student will be required to read, write, draw, speak and make at least ten images on a single theme each week. Once a week each student will have an individual conference with a faculty member to discuss the student's image making work.

All prospective students in the program will be interviewed by the faculty and will have the opportunity to show their present work to the faculty at that time.

Planned equivalencies: 12 quarter hours independent work in painting or printmaking or drawing or photography; 8 quarter hours Philosophy of Mind; 12 quarter hours Intensive Journal Writing; 4 quarter hours Poetry or Prose writing.
Program is preparatory for careers and/or future study in philosophy, visual arts, writing.
Additional course allowed: Yes
Internship possibilities: No
Throughout history, the way to understanding, control and ecstasy has been a long, sinuous journey towards simplicity and unity.

George Leonard

The Anthropology of Visual Communication: Cultural Context of Image Making

Spring, Summer/Group Contract.
Coordinator: Lynn Patterson.
Enrollment: 22.
Prerequisites: One year of either anthropology or expressive arts at junior or senior level.
Special Expenses: One week retreat in spring. Two to three week field trip travel, food, etc., in summer.
Part-Time Options: No.

If the oral tradition is lost in this print society, the visual tradition is assuredly not. The ancient world was peopled with societies which, not unlike ours, transmitted histories, cosmologies, epistemologies, and values through painting, dance, costume and gesture. In this program, we will explore the origin, form, meaning and function of the visual communication of culture. Cave paintings of Lascaux, ritual performance such as The Naven, will be contrasted with contemporary counterparts; the role of the archaic shaman contrasted with that of the modern image maker.

The program includes lectures, seminars, films, field projects, and time to create your own culturally significant imagery.

Works by Mary Douglas, Claude Levi-Strauss, Margaret Mead, Gregory Bateson, Edmund Leach, Roland Barthes, Edward Hall, Ray Birdwhistell and Joseph Campbell will be read.

Students may continue this work in a five week summer research project in a to-be-announced field location. Students must budget travel and food for this component and a spring program retreat.

Planned equivalencies: 4 quarter hours communication theory; 4 quarter hours symbolic anthropology; 4 quarter hours anthropology and art; 4 quarter hours field methods.
Program is preparatory for careers and/or future study in anthropology, art, communications.
Additional course allowed: No
Internship possibilities: No

Looking At Television

Spring/Group Contract.
Sponsor: Lovern King.
Enrollment: 22.
Prerequisites: None.
Special Expenses: One videotape, field trips.
Part-Time Options: Yes.

Television has become an integral and important part of the lives of most Americans. The objective of this program will be to look at the historical background of television, its implications upon our life today and its possible uses and abuses in the future.

Faculty and students will critically analyze television programs and participate in field trips to centers of various types of television production.

Full-time students will be expected to assemble a videotape of television programming analysis. The evening component will allow part-time participation by other students and the community.

Planned equivalencies: 8 quarter hours Sociological Study of Television; 4 quarter hours Propaganda and Semantics; 4 quarter hours Cross-Cultural Communications.
Program is preparatory for careers and/or future study in teaching, advertising, public relations, cross-cultural communications.
Additional course allowed: Yes
Internship possibilities: No
Arts Management

Through its emphasis on interdisciplinary concentrations and its well established Internship Program, Evergreen has had notable success in preparing some of its students for careers and vocations in arts management. In the past, these students have typically engaged either in the promotion of Visual and Performing Arts events within their academic programs or in internships entailing work with arts organizations (galleries, museums, production companies, state and civic arts agencies) beyond the campus, from the Pacific Northwest to the Kennedy Center in Washington, D.C. Normally, Arts Management internships are negotiated for advanced level students in their senior year.

On Campus Internships
During the past two years the college has initiated an intermediate option for small groups, based on campus, in two areas of arts management (Exhibition and Performance.) Members of these groups, while carrying out individual part-time internship duties, also meet in Arts Management seminars to consider common problems. When appropriate, the clusters join in larger meetings to hear visiting lectures or to discuss issues relevant to both of them. On-campus internships in Exhibition Design and Gallery Management are sponsored by Sid White, College Exhibits Coordinator. On campus internships in Performing Arts Management are sponsored by Richard Nesbitt, Arts Coordinator and Communications Building Manager.

Off Campus Internships
The following individuals should be contacted for information regarding off campus internships in Arts Management: Sid White (Museum and Gallery Management) Richard Nesbitt (Management of Theaters and other Performing Arts facilities), or Joye Hardiman (Performing Arts Production and Promotion, including civic state agencies.)

Other offerings closely related to Expressive Arts:
While each of the Basic Programs meets the Entry expectations of Expressive Arts, those most closely related in specific content are Exploration in Perception, Great Works.

For intermediate or advanced students: The Human Condition: Its Neolithic Roots, Writing Poetry

"Art begins with resistance—at the point where resistance is overcome."

André Gide
As a student in Health and Human Development, you will have opportunities to study human beings holistically from a variety of perspectives. The specialty area prepares students for careers in health care and human services, both alternative and traditional, or for graduate study leading to professions in fields such as psychology and counseling, social work, education, health services, biology and social science.

The entry level program, Human Health and Behavior lays the foundation for more specialized advanced work by providing knowledge and skills in human biology and psychology. This program focuses on the interaction between the two and considers a variety of questions and issues in a broad social, ethical, economic and political context.

In the specialty area’s advanced offerings, students further develop their particular interests. Group contracts in psychological counseling, social and community services, health and education provide a vehicle both for acquiring more in-depth knowledge of subject matter and for developing skills in critical analysis, written expression and research.

"It is often necessary to make decisions on the basis of knowledge sufficient for action but insufficient to satisfy the intellect."

Kant

Human Health and Behavior: Birth to Death

Fall, Winter, Spring/Coordinated Study.
Coordinator: Betty Kutter.
Enrollment: 65.
Prerequisites: Basic program at Evergreen or one year of college study including writing, critical reading and group discussion; some biology and/or psychology desirable.
Special Expenses: Retreat; small lab fee possible.
Part-Time Options: Yes.

All aspects of human health and behavior are affected by genetics, prenatal environment, nutritional factors, hormonal interactions, internal and external stresses, environmental factors and personal expectations. Psychologists, community workers, physicians, etc. must be aware of all of these factors as well as specific treatments. They must be able to draw on the specific knowledge of a variety of other health professionals as well as communicate effectively with the layperson.

The biological component of this program will offer a solid foundation in human genetics, embryology, physiology and nutrition, with relationships to psychological and social functioning. The social science portions will integrate these with the psychology of development and cognition, abnormal psychology, family and community structure and health care analysis. In each area, remedial and advanced workshops will supplement lectures and seminars to help those with little prior background and to challenge the advanced student.

Human health care involves important questions of right and wrong which cannot wisely be separated from scientific facts and methods. Therefore, ethical, political and economic considerations will be explored deeply and seriously, particularly in the context of public policy issues such as genetic counseling, abortion, nutrition, new biomedical techniques, aging and dying.

Students will be expected to develop critical ability in finding and reading relevant original research and in working in small groups on a research project.

Planned equivalencies: 5 quarter hours Human Genetics and Embryology; 4 quarter hours Human Physiology; 5 quarter hours Nutrition; 4 quarter hours Child Development; 8 quarter hours Social Science; 3 quarter hours Ethics; 4 quarter hours Normal and Abnormal Psychology; 8 quarter hours Individual Projects; 8 quarter hours Internship or Research Internship.

Program is preparatory for careers and/or future study in health sciences, helping services including psychology, social work, counseling and teaching.

Additional course allowed: No
Internship possibilities: Yes (½ time in spring only)
The Origins of Sexual Inequality
Fall/Coordinated Study
Coordinator: Peta Henderson.
Enrollment: 44.
Prerequisites: One year of college work.
Special Expenses: None.
Part-Time Options: No.

Starting from the assumption that behavioral differences between the sexes are not biologically determined, this program will explore the origins of the sexual division of labor and attempt to determine the factors which transformed the division of labor into unequal status between men and women. For this we will have to explore the origins of social stratification, the growing complexity of early agricultural societies, the rise of slavery and warfare, and the establishment of the ancient state.

Students will attend two lectures, two seminars and one writing workshop weekly. There will be weekly or biweekly papers on the reading.

Planned equivalencies: 3 quarter hours, Prehistory; 3 quarter hours Ancient History; 8 quarter hours Anthropology: Social Organization; 4 quarter hours Economic Anthropology.

Program is preparatory for careers and/or future study in anthropology, ancient history, sociology, social services, public planning, foreign service.

Additional course allowed: No.
Internship possibilities: No.

"Only a life lived for others is a life worthwhile."
Albert Einstein

Sex Roles In Western Civilization
Winter/Group Contract.
Sponsor: Stephanie Coontz.
Enrollment: 22.
Prerequisites: One year of college work.
Special Expenses: None.
Part-Time Options: Yes.

This program explores the evolution of male and female roles and images in Western civilization. We will discuss the social and historical determinants of sex roles in ancient Greece, medieval Europe, and 17th century England and America, and the consequences of the Industrial Revolution for men and women in the developed and underdeveloped world.

Students will attend two lectures, two seminars, and one writing workshop weekly. There will be weekly papers on the reading and a major term paper. Students may take the class three-quarter time by completing all work but the paper.

Planned equivalencies: 6 quarter hours European History; 6 quarter hours Humanities (literature and philosophy); 4 quarter hours Sociology.

Program is preparatory for careers and/or future study in history, sociology or humanities, teaching, social sciences.

Additional course allowed: Yes.
Internship possibilities: No.
Issues In Human Survival: Choices and Consequences
Fall/Coordinated Study for 8 quarter hours.
Coordinator: Lynn Patterson.
Enrollment: 44.
Prerequisites: Preference will be given to students 25 and older whose work or family commitments do not permit them to enroll in the regular daytime programs.
Special Expenses: Possible accommodations for over nights and meals.
Part-Time Options: Program is part-time.
This program is designed for adults over 25. Four weekend symposia will feature lectures, discussion of readings, workshops, and presentation of student papers on topics of concern for individual and planetary futures such as Human Habitation of the Earth (energy, population, cultural evolution); Creativity and Cultural Freefall (family structures, roles, androgyny, personal myths); The Symbolic Foundations of Culture (consciousness, the brain, religion, philosophy, altered states); and The Nature and Needs of Persons (stress, play, nutrition, sexuality, aging, illness and wellness).
Planned equivalencies: 4 quarter hours Anthropology; 4 quarter hours Health Education.
Program is preparatory for careers and/or future study in anthropology, health sciences, human services.
Additional course allowed: Yes
Internship possibilities: Yes

Psychological Counseling: Theory, Method and Practice
Fall, Winter, Spring/Group Contract.
Sponsor: Richard Jones.
Enrollment: 22.
Prerequisites: Senior standing; prior approval necessary.
Special Expenses: None.
Part-Time Options: No.
This advanced group contract is designed to prepare students for para-professional work in a variety of human services areas, and for graduate work in psychological counseling, psychiatric social work or clinical psychology.
During fall quarter, we will study the works of the major personality theorists from which various counseling methods have been derived: Freud, Erikson, Jung, Angyal, Kaiser, Rogers and Maslow. Fall quarter will also engage students in a weekly one-day supervised internship in the Evergreen Counseling Center or in a local mental health agency.
During winter quarter, the supervised internship will occupy two days a week, and the emphasis of our academic studies will move from the theoretical to the practical. In addition to the methodological derivations of the above theories, we will acquaint ourselves with the clinical methods of Victor Frankl, Frieda Fromm-Reichman, Medard Boss, Frederick Perls and Allen Wheels.
Spring quarter will be devoted to beginning the process of developing your own theoretical synthesis and resulting counseling style. The internship commitment will be three days a week.
As the writing of regular reports is so essential a part of a professional counselor's effectiveness, we will concentrate throughout the year on learning how to write reports which are interesting as well as informative.
Planned equivalencies: 12 quarter hours Personality Theory; 12 quarter hours Theories and Methods of Psychological Counseling; 12 quarter hours Practicum in Psychological Counseling; 12 quarter hours Expository Writing.
The program is preparatory for careers and/or future study in counseling psychology, psychiatric social work, clinical psychology.
Additional course allowed: No
Internship possibilities: Yes
Personality, Society and Culture: A Program in the Human Services

Fall, Winter, Spring/Coordinated Study
Coordinator: Lowell Kuehn.
Enrollment: 66.
Prerequisites: Junior standing.
Special Expenses: None.
Part-Time Options: Yes.

Because individual and social problems are so much a part of the twentieth century life, we have tried to design a program to prepare students to take an active hand in the understanding, resolution, and control of those problems. It is our belief, though, that in addition to intensive exposure to the theories and techniques of the social sciences, close integration with the humanities sensitizes the student to the humanistic, cultural, philosophical, and moral context of social and individual action.

Through a series of coordinated courses, seminars and individualized modes of learning (internships and individual contracts), the student pursues ideas that are relevant to careers in sociology, psychology, counseling, and casework. At each step the students' learning will be placed within a broader liberal arts context emphasizing literature, history, and philosophy. Depending upon student wishes, he or she may follow his/her interests in the humanities, humanistic psychology, and the arts. Our goals are to help students acquire the skills they need to achieve their career goals, and to encourage their understanding of themselves and the world around them.

The program attempts to provide a balanced coverage of skills and theory to allow students to build a strong foundation for careers or graduate work in applied psychology and sociology. Skill development will occur in the areas of counseling and interviewing techniques, group dynamics, evaluation research, and statistics. Theories of personality, deviant behavior, and social interaction will also be reviewed.

Most of the students involved should have junior standing and should expect to graduate in June, 1982, after two years full-time work. There will, however, be limited opportunities for students to enroll as half-time students. Seminars and courses will be offered in the late afternoon and evening to accommodate working students. Full-time students in this program can expect to meet one late afternoon and two evenings each week.

Planned equivalencies: 4 quarter hours Techniques of Interviewing and Counseling; 4 quarter hours Group Dynamics; 4 quarter hours Statistics and Research Methods; 4 quarter hours Abnormal Psychology and Deviant Behavior; 4 quarter hours Theories of Personailty; 2 quarter hours Developmental Psychology; 3 quarter hours Social Psychology and Symbolic Interaction; 4 quarter hours Public Policy/ Social Problems; 4 quarter hours Organization of Human Services; 4 quarter hours History; 4 quarter hours Literature; 4 quarter hours Writing; 2 quarter hours Philosophy; 2 quarter hours Biography.

Program is preparatory for careers and/or future study in social work, clinical psychology, sociology, psychology.

Nutrition

Spring/Group Contract for 12 quarter hours.
Sponsor: Jeffrey J. Kelly.
Enrollment: 22.
Prerequisites: Organic and Biochemistry—some understanding of human physiology is encouraged.
Special Expenses: None.
Part-Time Options: Yes, half-time.

This advanced group contract will provide students with a knowledge of the fundamental concepts of nutrition and the application of these concepts to advanced topics. Emphasis will be placed on reading original research articles and developing an understanding of the experimental evidence upon which current facts and practices in nutrition are based. The relationship between the current American diet and chronic degenerative diseases will be a major emphasis of the study. The program will be conducted as an advanced research seminar and each student will be expected to prepare several classroom presentations and written reports.

Planned equivalencies: 4 quarter hours General Nutrition; 8 quarter hours Advanced Topics in Nutrition.

Program is preparatory for careers and/or future study in health sciences, biology, medicine, chemistry, education, counseling, public policy.

Additional course allowed: Yes
Internship possibilities: No

Other offering closely related to Health and Human Development:

While each of the Basic Programs meets the Entry expectations of Health and Human Development, those most closely related in specific content are Health: Individual and Community, and Outdoor Education.

For intermediate or advanced students: Advanced Studies in Public Administration; Public Policy and Its Assessment; The Clash of Cultures: Historical Perspectives on Washington State; A Introduction to Natural Science; Advanced Chemistry, Physics and Mathematics; Matter and Motion, Anatomy and Physiology, Molecular, Genetic and Developmental Biology, Biochemistry and Cell Biology.
Management and the Public Interest

This Specialty Area offers a lower division, entry level Coordinated Studies program titled Basic Studies in Administration which offers all Evergreen students a basic introduction to business and public administration. Those students wanting to continue upper division work in this Specialty Area will acquire the necessary background skills such as principles of accounting, principles of economics, business math and elementary statistics. The B.S.A. program is offered on a full and half-time basis.

Upper division work in this Specialty Area consists of a Coordinated Studies program titled Management and the Public Interest for the first year and a changing series of advanced Group Contracts, Individual Contracts and Internships for the second year. The first year of the M.P.I. program provides students with the opportunity to acquire essential managerial skills and concepts. The program will address broader issues such as the ability of the private and/or public sector to meet the public's needs. In the second year the offerings enable the student to specialize in one or more areas of business or public administration. This program is designed for part-time students from off campus as well as full-time students.

"One must talk about everything according to its nature, how it comes to be and how it grows. Men have talked about the world without paying attention to the world or to their own minds, as if they were asleep or absent-minded."

Heraclitus

Basic Studies in Administration

- Fall, Winter, Spring: Coordinated Studies
- Coordinator: To be announced
- Enrollment: 66
- Prerequisites: None
- Special Expenses: None
- Part-Time Options: Yes

This lower division Coordinated Studies program examines the political, social and economic context of the contemporary American management environment. This program is designed for the student who has completed less than two years of college. It is anticipated that many of those who enroll will be employed full time and will not have attended college for some time.

Particular emphasis is placed upon the development of communication, both written and oral, reading and critical thinking. These skills will be developed through lectures and book seminars that incorporate ideas from the humanities and the social sciences. In addition, the program will offer students an opportunity to obtain a background in accounting, economics and business math.

The focus during the year will shift among the three main sectors of the American economy: the governmental, business and personal sectors. The program will examine trends in state and local government employment and budgeting. Problems of governmental regulations on the private sector and competitive structure will be treated. Consideration will be given to the changing role of the consumer/worker in contemporary society. These and many more problems and issues will be considered in a systems framework which stresses the interdependence of the major sectors.

The material covered in this program will be useful for the student interested in advanced work in the Management and the Public Interest Specialty Area or for the student who is interested in developing specific administrative skills applicable to today's organizational environment. Students interested in a broad based start in their educational careers will also find this program valuable.

Planned equivalencies: 8 quarter hours Economics; 8 quarter hours Accounting; 8 quarter hours Introduction to Humanities; 8 quarter hours Introduction to Social Sciences; 8 quarter hours Business, Government and Society; 4 quarter hours Business Math; 4 quarter hours Statistics.

Program is preparatory for careers and/or future study in business and public administration.

Additional course allowed: No

Internship possibilities: No
**Management and the Public Interest**

Fall, Winter, Spring/Coordinated Study.
Coordinator: Virginia Ingersoll.
Enrollment: 66.
Prerequisites: Basic Studies in Administration or business accounting, economics, business math, introduction to business/government.
Special Expenses: None.
Part-Time Options: Yes.

This program is designed to equip people with essential management concepts and skills and to address a growing concern about the possibility of the American business system meeting the public's needs. It serves as the first year of both the two-year business administration curriculum and the two-year public administration curriculum.

Critics of the American business system charge the modern corporation cannot be made responsible to the public; that by its nature, business will serve only its own interest. Business defenders, on the other hand, argue that the public good cannot be served without a strong business system and that business is doing a good job of meeting its social responsibilities. A third voice can be heard saying that the business system, as we know it, is an outdated artifact of another era; that neither business nor the public interest will be served much longer by our present set of institutional arrangements. It is one purpose of this program to come to grips with the issues raised in these debates. The program looks at the relationship between business and the rest of society, including government, the "external" dimension. To understand what it means for business to meet public needs, a person must also know what it takes to keep an organization going; that is, one also must have a grasp of the "internal" operations of a business. While this theme sets forth a conceptual agenda to which the program's discussion will return again and again, a substantial portion of the program is devoted to instruction in management concepts and skills.

This program is designed for students with a basic background in business and public administration. It covers managerial economics, organizational psychology, managerial accounting, financial management, management practices, business policy, and personnel.

Planned equivalencies: 12 quarter hours Organizational Practicum; 9 quarter hours Managerial Accounting; 8 quarter hours Managerial Economics; 4 quarter hours Organizational Psychology; 4 quarter hours Personnel Management; 4 quarter hours Financial Management; 4 quarter hours Statistics; 2 quarter hours Case Studies.

Program is preparatory for careers and/or future study in business and public administration.

Additional course allowed: Yes
Internship possibilities: No

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**Advanced Studies in Public Administration: Public Policy and Its Assessment**

Fall, Winter/Group Contract.
Sponsor: To be announced.
Enrollment: 22.
Prerequisites: Management and the Public Interest, Intermediate Work in social sciences and/or equivalent agency experience.
Special Expenses: None.
Part-Time Options: Yes.

A discussion of conditions affecting the recognition of social problems and the formulation, adoption, implementation and evaluation of policies designed to cope with them. Special attention will be given to educational and criminal justice policy. Because the analysis of public policy brings together both questions of value and questions of fact, it serves as a valuable focus for many basic methodological and philosophical questions about the nature, scope and limits of social inquiry.

Concomitant with an investigation of substantive issues of policy, the program will afford the student an opportunity to develop practical skills in the area of research design, data analysis and application of statistics with particular emphasis on quantitative techniques of program and policy evaluation. All students will be expected to become involved with an evaluation research project. The program will be especially suited to students with an interest in human services programs, policies, administration and applied research.

Planned equivalencies: 4 quarter hours Analysis of Public Policy; 3 quarter hours Issues in Educational Policy; 3 quarter hours Issues in Criminal Justice Policy; 6 quarter hours Evaluation Research; 4 quarter hours Statistics; 3 quarter hours Program Data Analysis and Research Design for Social Science; 3 quarter hours Philosophy of Social Science; 3 quarter hours Social Philosophy; 3 quarter hours Independent Social Research in Evaluation.

Program is preparatory for careers and/or future study in human services, public administration.

Additional course allowed: Yes
Internship possibilities: Yes
Other offerings closely related to Management and the Public Interest.

While each of the Basic Programs meets the Entry expectations of Management and the Public Interest, those most closely related in specific content are Society and the Computer. For intermediate or advanced students: Introduction to Political Economy, Microeconomic Theory, Foundations of American Enterprise, Environmental Design, Personality, Society and Culture.
Marine Sciences and Crafts

Students pursuing studies in the MSC specialty area will learn the facts and the analytical techniques which form the basis of modern knowledge of marine sciences, natural history, history and literature. In the larger perspective, students will also find an opportunity to examine the effects of their attitudes, assumptions, analytical tools and studies, both upon the marine environment and upon themselves. By the end of such study, we would wish to certify that a student has...

1) learned current factual and practical information in a number of areas, such as marine biology, water quality analysis, literature, marine resources and economics, oceanography, history and natural history, and field skills;
2) carried out an extensive scientific or other systematic investigation of a marine problem;
3) examined the limitations and strengths of attitudes, tools and approaches appropriate to, and used in, the marine area.

"I am in the habit of going to sea whenever I begin to grow hazy about the eyes, and to be overconscious of my lungs."

Melville

Exploration

Fall, Winter-Coordinated Study
Coordinator: Pete Sinclair.
Enrollment: 66.
Prerequisites: None.
Special Expenses: Field glasses.
Part-Time Options: Yes.

Exploration is the introductory coordinated studies program to the Marine Sciences and Crafts specialty area. Students who specialize in the Marine Studies area do a lot of work in the field. Almost everything we do in this area either can be thought of as an exploration in the natural world (in which we include humans) or derives directly from earlier exploration.

The student in this program selects three of the following five courses of study: Classical to Modern Literature of the Sea, Concepts of Biology, The History of Natural History, Drawing from Nature and Oceanography. These courses of study are integrated by exercises in exploration and a core lecture-seminar series.

This program is prerequisite to further study in biology, natural history, environmental study, history and literature. It is also prerequisite to research and exploration on the 38' sailing-research vessel constructed by former Marine Sciences and Crafts students.

Planned equivalencies: 4 quarter hours fall and winter - Literature; 4 quarter hours fall and winter - Biology; 4 quarter hours fall - Drawing; 4 quarter hours winter - Naval History; 4 quarter hours fall - History of Science; 4 quarter hours fall and winter - Field Studies; 4 quarter hours fall and winter - Oceanography.

Program is preparatory for careers and/or future study in literature, biology, drawing, naval history, history of science, oceanography.

Additional course allowed: No, students are provided some choices within program.
Internship possibilities: No
Knowledge is not knowledge until someone else knows that one knows.

Lucilius

Salmon: Biology, Fisheries, and Controversy
Fall/Group Contract.
Sponsor: Peter Taylor.
Enrollment: 22.
Prerequisites: None.
Special Expenses: Field trip expenses.
Part-Time Options: No.

A principal theme of Salmon is that the condition of the returning runs of these remarkable fishes is a measure of the health of the Pacific Northwest—its physical environment and the social and political institutions of the people. The subject embraces the biology of the fish, the salmon fisheries and their management, and the social and political importance of this unique natural resource. Program activities will include lectures, invited speakers, films, reading, seminars, field trips, and some lab study. To focus the studies, participants will prepare for discussion and debate of selected issues of controversy about salmon fisheries and resource management.

Planned equivalencies: 5 quarter hours Salmon Biology; 5 quarter hours Salmon Fisheries Management; 6 quarter hours Social and Political Aspects of Salmon Fisheries.

Program is preparatory for careers and/or future study in aquatic ecology, fish biology, fisheries management, public affairs.

Additional course allowed: Yes
Internship possibilities: No

The Marine Environment
Winter/Group Contract.
Sponsor: Dave Milne.
Enrollment: 22.
Prerequisites: Laboratory skills in chemistry or biology.
Special Expenses: None.
Part-Time Options: No.

The central focus of this program is the relationship between marine organisms and the physical/chemical features of the sea. The program will deal with measurements and understanding of these phenomena—water salinity, temperature, dissolved oxygen, nitrate and phosphate—and their significance to marine life. Tides, currents and waves will also be studied. Field work (including small boat handling and safety) is emphasized. Distributions of local marine organisms will be studied, and efforts will be made to correlate their abundance with environmental properties.

Planned equivalencies: 4 quarter hours Chemical and Physical Properties of Estuaries; 3 quarter hours Marine Water Quality Analysis; 4 Independent Research; 3 Estuarine Ecology; 2 Technical Writing.

Program is preparatory for careers and/or future study in aquaculture, fisheries, environmental impact assessment, water pollution studies.

Additional course allowed: No
Internship possibilities: No

Marine Biology
Spring/Group Contract.
Sponsor: Peter Taylor.
Enrollment: 22.
Prerequisites: General Biology (college-level).
Special Expenses: Field trip expenses.
Part-Time Options: No.

Marine Biology will survey the animals and plants of the open sea and marine coastal waters and their ecological relationships. Participants can expect to learn the principal characteristics of the plan and animal groups (emphasizing marine invertebrates), field and laboratory methods for their study, the main features of the marine environment as a biological habitat, and the adaptations of organisms to life in the sea. Tentatively, some time will be spent at one of the marine labs at Friday Harbor or Anacortes. Practical field and laboratory studies will be supported with lectures, reading, and seminars.

Planned equivalencies: 8 quarter hours Survey of Marine Organisms; 8 quarter hours Marine Ecology.

Program is preparatory for careers and/or future study in marine sciences, biological science, environmental studies, fisheries, aquaculture, coastal zone management.

Additional course allowed: Yes
Internship possibilities: No

Freshwater Ecology
Spring/Group Contract.
Sponsor: Unassigned.
Enrollment: 44.
Prerequisites: General biology; some chemistry would be helpful.
Special Expenses: None.
Part-Time Options: Yes.

As the waters of the State of Washington, and elsewhere, continue to be "developed" to accommodate man's need for irrigation, hydroelectric power, and domestic uses, there is an ever-increasing need for biologists trained in the fields of aquatic biology, ecology, limnology, and water quality.

Freshwater Biology offers an opportunity for intermediate and advanced students to study aquatic systems in terms of the biological, chemical, and physical parameters of standing and running waters. The program will consist of lectures, labs, seminars, field trips, and student reports on taxonomy, species diversity, limnology, and other aspects of freshwater systems.

Planned equivalencies: 8 quarter hours Aquatic Biology; 8 quarter hours Limnology.

Program is preparatory for careers and/or future study in water resources, fisheries, water quality.

Additional course allowed: Yes
Internship possibilities: No

Other offerings closely related to Marine Science and Crafts.
While each of the Basic Programs meets the Entry expectations of Marine Science and Crafts, those most closely related in specific content are Political Ecology and Outdoor Education.

For intermediate or advanced students: Introduction to Environmental Studies.
Northwest Native American Studies

This interdisciplinary specialty has the potential for serving two rather different student groups—Native American students who are interested in preserving and enhancing their unique cultural heritage and who are developing strategies for self-determination in the world today, and non-Native students interested in traditional Native American cultures and values, anthropology, ethnohistory, expressive arts, the dynamics of culture change and modern Native American communities.

Spirituality: The Eyes of the Unknown
Fall, Winter, Spring/Coordinated Study
Coordinator: David Whitener
Enrollment: 110
Prerequisites: Entry by faculty signature only
Special expenses: Audio tapes, availability of tape recorder
Part-time Options: Yes

Spirituality is the 1980-81 offering of the Native American alternative school of thought. This student-centered program is designed to provide an open education opportunity for students to develop a critical appreciation of different ways to gather and apply knowledge in developing an understanding of Self, Society and the Spirit. The major program concepts will be relationships to the Unknown, to Significant Others and to Universal Thought. Some program features will be shared by all students such as attendance at group seminars, yet each student will develop an individualized learning plan.

Planned equivalencies: Native American Studies (24 quarter hours); Philosophy (12 quarter hours); Ethics (12 quarter hours)
Additional course allowed: Yes
Internship possibilities: Yes

This program will prepare students for further studies in Native American Studies, Human Growth and Development, Philosophy and Ethics.

“The Earth is the mother of all people, and all people should have equal rights upon it. You might as well expect the rivers to run backward as that any man who was born a free man should be contented penned up and denied liberty to go where he please....”
Chief Joseph

The Clash of Cultures: Historical Perspectives on Washington State
Fall/Winter Coordinated Study
Coordinator: Margaret Gribskov
Enrollment: 44
Prerequisites: One year of college work
Special Expenses: Research expenses
Part-Time Options: Yes

Throughout its written history, Washington has been the scene of frequent cultural confrontations and misunderstandings. The objective of this class will be to illuminate some of the significant cultural differences, and to study how and why such differences produced instances of cultural contradiction, institutional racism, and social indifference. At the same time, we will try to identify the influences of these varied cultures that have remained and those that have changed.

Faculty and students also will explore contemporary efforts to find constructive solutions (or compromises) to these continuing cultural clashes, especially but not solely in the field of education.

Each student will complete an independent historical research project.
NOTE: This is a full-time program, with an evening component for teachers.

Planned equivalencies: 8 quarter hours Washington State History; 8 quarter hours Sociology of Culture; 8 quarter hours Cultural Anthropology; 8 quarter hours Cultural History of Washington State.
Program is preparatory for careers and/or future study in teacher education, state employees, any social interaction.

Additional course allowed: Yes
Internship possibilities: Yes

Other offerings closely related to Northwest Native American Studies:
While each of the Basic Programs meets the Entry expectations of Northwest Native American Studies, those most closely related in specific content are Explorations in Perception and Political Ecology.
For intermediate or advanced students: Looking at Television.
In the real world we experience social, cultural, economic, and political phenomena as aspects of an organic whole. Political Economy recognizes the interrelationships of these phenomena. Topics of study include the historical development of the United States and other industrialized nations; the problems of underdeveloped societies in their relation with industrialized societies; the historical contexts in which theories of political economy are developed and applied; and the application of theory to contemporary problems. In most traditional institutions, the concepts and skills involved with these topics are treated as separate and discrete bodies of knowledge. In this specialty area, students acquire this knowledge, but do so through emphasis on the broad connective concepts, methods, and interpretations that serve to integrate them into ways of understanding total societies and their transformations.

Study in this area will draw on the disciplines of history, economics, political science and philosophy, sociology, anthropology, literature, and law.

Students in their first year of college are strongly urged to take one of the Basic Programs. Students just beginning in Political Economy should probably enroll in Introduction to Political Economy, which is a prerequisite for most other offerings in this area. Related offerings from other specialties are mentioned at the end of this section.

"I know no safe depository of the ultimate powers of society but the people themselves."
Thomas Jefferson, letter to W. C. Jarvis, 28 Sep. 1820

**Introduction to Political Economy**

Fall/Coordinated Study.
Coordinator: Pris Bowerman.
Enrollment: 66.
Prerequisites: Basic program at TESC or one year of college study emphasizing writing, critical reading and group discussion.
Special Expenses: None.
Part-Time Options: Yes.

We will try to understand how the major problems confronting the American economy (energy and the environment, inflation and unemployment, inequality of opportunity) have emerged historically. Within an historical framework we shall study two theories of how a capitalist economy functions:

1. **The Market Paradigm** of modern micro-macro economics (i) its conservative vision of limited government to preserve human freedom (ii) its liberal and Keynesian vision of government intervention to achieve social justice.
2. **The Marxist Historical Paradigm** an attempt to show that capitalism contains inherent contradictions that force it toward socialism.

We contend that only by studying these two theories simultaneously can they be intelligently compared, contrasted, criticized and evaluated. As our knowledge of theory and its assumptions, logic and limitations deepens, so should our understanding of the problems we face.

Planned equivalencies: 8 quarter hours Microeconomic and Macroeconomic Principles; 4 quarter hours American Political and Social Theory; 4 quarter hours History of Economic Thought.

Program is preparatory for careers and/or study in economics, history, social and political theory, political science.

Additional course allowed: No
Internship possibilities: No
Foundations of American Enterprise: Business and Labor History
Fall/Group Contract.
Sponsor: Susie Strasser.
Enrollment: 22.
Prerequisites: Introduction to Political Economy; or Introduction to Micro/Macro Economics and the Radical Critique, and a U.S. history course.
Special Expenses: None.
Part-Time Options: No.
It is impossible to comprehend the development of American capitalism without studying both business and labor. We will investigate industrial development in the U.S. from Hamilton's 1791 Report on Manufactures through the early 20th century transition from entrepreneurial to corporate control. Concurrently—and interactively—we will study the development of an American working class and the organizations which have represented workers in their dealings with employers. We will emphasize the use of primary sources and recent historical writing, which in both fields have undergone substantial revision in the past 15 years. Reading and writing will be extensive in both business and labor history.
Planned equivalencies: 8 quarter hours U.S. Labor History; 8 quarter hours U.S. Economic History.
Program is preparatory for careers and/or future study in history, economics, sociology, business administration.
Additional courses allowed: No.
Internship possibilities: No.

Microeconomic Theory
Winter/Group Contract.
Sponsor: Pris Bowerman.
Enrollment: 22.
Prerequisites: Introduction to Political Economy or equivalent study in micro and macro economic principles.
Special Expenses: No.
Part-Time Options: Yes.
This contract is designed for students wishing to continue their studies in microeconomics beyond the elementary level. Students can expect first to obtain technical mastery of microeconomics analysis and its proper application to contemporary issues through studying Mansfield's Microeconomics and completing problems in Lyall's Microeconomic Issues of the 70's. Secondly, students can expect to examine in detail the philosophical principles of justice, freedom, equality and authority upon which this theory is built and from which it has been criticized. To this end, students will read, discuss and write on texts such as Rawls' A Theory of Justice.
Planned equivalencies: 8 quarter hours Intermediate Microeconomic Theory and Applications; 8 quarter hours Social Philosophy.
Program is preparatory for careers and future study in economics, business, social and political theory.
Additional course allowed: No.
Internship possibilities: No.

The Constitution, The Economy, and Democratic Principle
Winter, Spring/Group Contract.
Sponsor: Jeanne Hahn.
Enrollment: 22.
Prerequisites: Introduction to Political Economy or Principles of Micro and Macro economics and the Radical Critique, and American History.
Special Expenses: None.
Part-Time Options: No.
We will explore the relationships between the U.S. Constitution, the Supreme Court, economic development, and the theory and practice of democracy. This will be done within an historical framework from the founding to the present which focuses on the tension between capitalism as an economic system and democracy as a political system. We will look closely at the role played by the Constitution and the Court in confronting this historical tension, and attempt to determine how, under the "fixed" Constitution of 1787, the country moved from a mercantile period into and through laissez faire individualism to the corporate state without fundamental amendment of the basic law. We will probe the social, economic, and political dynamics at work that allowed for the fusion of political and economic power and the alteration of democratic theory and formal law of the Constitution. Through careful reading, seminar, research and writing we will attempt to determine how the Court, through the affirmative use of the law to furnish instruments and procedures and to impose patterns of behavior, has interpreted the commerce, the contract, and the due process clauses as well as those aspects of the Constitution pertaining to property rights, economic liberties, and fiscal power in a way that directly impacts economic activity and democratic expectations.
Planned equivalencies: 8 quarter hours The Constitution and Capitalism; 8 quarter hours American History and Democratic Theory; 8 quarter hours American Economic History; 6 quarter hours The American Constitution; 4 quarter hours Social Science Research and Writing.
Program is preparatory for careers and/or future study in political economy, political theory, history, economics, government, education, law.
Additional course allowed: No.
Internship possibilities: No.

"Men make their own history, but they do not make it just as they please; they do not make it under circumstances chosen by themselves, but under circumstances directly encountered, given and transmitted from the past".
Karl Marx, Eighteenth Brumaire
Cuba and the United States: Studies in Social Transformation

Spring Group Contract
Sponsor: Ron Woodbury
Enrollment: 22
Prerequisites: Introduction to Political Economy; or Principles of Micro and Macro Economics and the Radical Critique, and American History
Special Expenses: None
Part-Time Options: Yes

This contract will explore Cuba and its mid-twentieth revolution as a case study of social transformation. It will employ advanced social science research techniques and challenging seminar readings.

The learning emphasis will be on three, three-hour discussion meetings per week—two for book seminar and one for a research workshop. At first, seminars will be highly structured with short writing sessions, small group discussions, and close analysis of the reading. At mid-quarter, students will draft a plan for conducting seminars the rest of the quarter. Seminar readings will concentrate on the revolutionary period since 1959.

The research workshop will focus on U.S. interests in Cuba prior to 1959. Individual research results will be fed into a computer from which students will draw information for final individual papers clarifying the role of the U.S. in the social transformation at Cuba. No prior knowledge of computers is necessary. Readings will include a general reader on revolutions, Smith, The United States and Cuba; Suchlicki, Cuba from Columbus to Castro; Silverman, Man and Socialism In Cuba; Wald, Children of Che; Radosh, The New Cuba.

Planned equivalencies: 6 quarter hours Social Science Research; 4 quarter hours Upper Division Latin American History; 2 quarter hours Political Science; 2 quarter hours Economics; 2 quarter hours Sociology

Program is preparatory for careers and/or future study in government work, political science, history, sociology, economics.

Additional course allowed: No

Internship possibilities: No

Other offerings closely related to Political Economy:

While each of the Basic Programs meets the Entry expectations of Political Economy, those most closely related in specific content are: Introduction to Education, Society and the Computer.

For intermediate or advanced students: Basic Studies in Administration, Management and the Public Interest, Advanced Studies in Public Administration, Personality, Society and Culture: A Program in the Human Services, Origins of Sexual Inequality, Russia-LSSR, Dialectics of American Culture, Formation of Modern Society, Small Scale Agriculture, Environmental Design, Applied Environmental Studies.
Introduction to Natural Science

Fall, Winter, Spring/Coordinated Study
Coordinator: Hazel Jo Reed
Enrollment: 66
Prerequisites: Proficiency test will be used to evaluate mathematics preparation.
Special Expenses: A small lab fee may be necessary.
Part-Time Options: Yes.

This three-quarter sequence constitutes a foundation in the natural sciences for students who do not already have a strong background in science, particularly not in mathematics. The program will cover important basic material in biology, chemistry, mathematics, and physics. Students who are mainly interested in the physical sciences and who are ready to start calculus should consider the companion program, Matter and Motion, described in this section.

The weekly schedule will consist of program lectures, problem sessions, seminar, and laboratory work. The problem sessions and labs will give students a chance to test and improve their understanding of the ideas and techniques being studied. At the same time, the historical development and philosophical implications of these ideas will be presented in the lectures and readings and discussed in the seminars. It is our view that science is not an isolated human endeavor and needs to be understood within a broader historical and cultural framework.

The fall quarter will focus on the development of the mathematical and chemical concepts and models that are used to describe and understand the nature of matter. Winter quarter will introduce organic chemistry, and at that time students will choose among options in physics, general biology, and calculus. In spring quarter students will be able to pursue more specialized areas of study by selecting two half-time options from at least four that will be offered by the faculty teams. These options will include a continuation of the general biology started in the winter quarter, plus some listed below under the Matter and Motion program, such as organic chemistry, modern physics and inorganic chemistry.

Planned equivalencies: 5 quarter hours Precalculus Mathematics; 5 quarter hours Calculus; 4 quarter hours General Physics; 4 quarter hours General Chemistry with Lab; 4 quarter hours General Biology with Lab; 4 quarter hours Organic Chemistry with Lab; 3 quarter hours Development of Scientific Thought; 3 quarter hours Science and Society.

Program is preparatory for careers and/or future study in health sciences, physical, biological or marine sciences or mathematics.
Additional course allowed: No
Internship possibilities: No

.Matter and Motion: Foundations of Physical Science

Fall, Winter, Spring/Coordinated Study
Coordinator: G. Siegfried Kutter
Enrollment: 44
Prerequisites: At least 60 percent proficiency on exam covering algebra and trigonometry. Good precalculus math.
Special Expenses: Breakage fee $15 maximum per quarter.
Part-Time Options: Yes.

Matter and Motion is a close parallel to Introduction to Natural Science, but is designed to take students with a good background in algebra, who are ready to begin calculus immediately, and provide them with a firm foundation in mathematics, chemistry and physics by treating the science with more mathematical sophistication. We will focus on the concepts, theories, structures and historical developments underlying our modern understanding of the universe. Through a book seminar, we will also examine the impact of science and society on one another, providing an important perspective on the quantitative core subjects. This program is recommended for those who want to pursue further study in chemistry, mathematics, physics, and experimental biology. It is an intensive, full-time program, providing in one year much of what is typically covered in the freshman and sophomore years at other colleges. Students who, because of other commitments, cannot devote 50-60 hours per week to the program are ill-advised to undertake it.

Fall and winter quarters will provide an introduction to differential and integral calculus and its application to mechanics, electricity and magnetism, and optics. General chemistry, including topics in atomic theory, chemical equilibrium and thermodynamics, will be followed by organic chemistry, atomic and molecular structure, and chemical kinetics. The laboratories will teach students about analytical, organic and physical chemistry, electronics, physics and computer programming.

During spring quarter, students will choose two half-time options from among those offered jointly with the Introduction to Natural Science faculty including Advanced Inorganic Chemistry and Chemical Instrumentation, Organic Chemistry, Modern Physics, Linear Algebra and Differential Equations.

Planned equivalencies: Fall quarter—4 quarter hours Introduction to Calculus; 4 quarter hours Introduction to General and Inorganic Chemistry; 4 quarter hours Introduction to University Physics; 2 quarter hours Chemistry Lab; 2 quarter hours Topics in Science and Society. Winter quarter—4 quarter hours Introduction to Calculus; 4 quarter hours Organic Chemistry; 4 quarter hours Physics/Physics-Chemistry; 2 quarter hours Chemistry Lab; 2 quarter hours Topics in Science and Society. Program is preparatory for careers and/or future study in chemistry, physics, mathematics; upper class courses in these topics require Matter and Motion. For careers in medicine and lab biology also.

Additional course allowed: Yes
Internship possibilities: No.

"To know what is proper in order and natural in sequence is to approach the truth."

Confucius
Biochemistry and Cell Biology

Fall/Group Contract.
Sponsors: Jeffrey J. Kelly and Donald G. Humphrey.
Enrollment: 44.
Prerequisites: Matter and Motion or Introduction to Natural Science or equivalent, particularly organic chemistry.
Special Expenses: None.
Part-Time Options: Yes.

This program is for students who want serious work in modern biochemistry and cell biology, primarily as preparation for the health professions or for graduate school. The physical and chemical properties of biological molecules will be studied in the context of cellular function. The laboratory will introduce skills, tools and techniques utilized in modern biochemistry and laboratory biology research. Instrumentation, including centrifugation, electrophoresis, and light and scanning electron microscopy, will be part of the laboratory and provide excellent preparation for doing individual research projects in Molecular, Genetic and Developmental Biology winter quarter.

Planned equivalencies: 6 quarter hours Biochemistry; 4 quarter hours Cell Biology; 2-4 quarter hours Laboratory in Advanced Biology

Program is preparatory for careers and/or future study in health sciences, biology, medicine, chemistry, biochemistry.

Additional course allowed: Yes
Internship possibilities: No

Molecular, Genetic and Developmental Biology

Winter/Group Contract.
Sponsors: Jeffrey J. Kelly and Donald Humphrey.
Enrollment: 44.
Prerequisites: Biochemistry and Cell Biology Group Contract or equivalent.
Special Expenses: None.
Part-Time Options: Consult sponsors.

This group contract will integrate molecular and developmental biology with molecular, classical and population genetics. In addition, biochemical topics, including metabolism, biosynthesis, hormone action and immunology, will be treated in both lecture and laboratory.

Students will have the option of choosing special laboratory projects in cytogenetics and development or in biochemistry. Both options can be selected by those who do not want to take a course outside the program.

Students will be expected to prepare and give lectures using current research literature. They will develop good laboratory and research skills and problem solving abilities. Excellent opportunities exist for advanced projects in biochemistry and developmental biology.

Subjects emphasized: Molecular biology, genetics, biochemistry, developmental biology.

Planned equivalencies: 4-6 quarter hours Biochemistry; 4-8 quarter hours (depending upon lab and research options) Developmental Biology; 4 quarter hours Genetics; 4 quarter hours Molecular Biology

Program is preparatory for careers and/or future study in life and health sciences, medicine, dentistry, pharmacy, research.

Additional course allowed: Yes
Internship possibilities: No

“It were not best that we should all think alike; it is difference of opinion that makes horse races.”

Mark Twain
**Nutrition**

Spring/Group Contract (12 quarter hours).

Sponsor: Jeffrey J. Kelly

Enrollment: 22.

Prerequisites: Organic and biochemistry. Some understanding of human physiology is encouraged.

Special expenses: None.

Part-Time Options: Consult sponsor.

This advanced group contract will provide students with a knowledge of the fundamental concepts of nutrition and the application of these concepts to advanced topics. Emphasis will be placed on reading original research articles and developing an understanding of the experimental evidence upon which current facts and practices in nutrition are based. The relationship between the current American diet and chronic degenerative diseases will be a major emphasis of the study. The program will be conducted as an advanced research seminar and each student will be expected to prepare several classroom presentations and written reports.

Planned equivalencies: 12 quarter hours Advanced Topics in Nutrition.

Program is preparatory for careers and/or future study in health sciences, biology, medicine, chemistry education, counseling, public policy.

Additional course allowed: Yes

Internship possibilities: No

**Anatomy and Physiology**

Spring/Group Contract.

Sponsor: Donald Humphrey

Enrollment: 22.

Prerequisites: One year of college biology and introductory organic chemistry.

Special Expenses: None.

Part-Time Options: Consult sponsor.

The structure and function of whole organisms and organ systems will be studied from the comparative approach. The primary emphasis will be on vertebrates and humans, but examples will be drawn from plants and invertebrates where pertinent. Exceptional opportunities exist for research projects on biological structure using both scanning-electron and light microscopy, on the physiology of exercise using the exercise-testing laboratory, or for scientific photography. Students will be expected to demonstrate good laboratory skills and adequate knowledge of anatomical and physiological relationships in both plants and animals. In addition seminar reports and at least one research project will be required.

Subjects emphasized: Anatomy (both gross and microscopic), histology plant and animal physiology.

Planned equivalencies: 4 quarter hours Comparative Vertebrate Anatomy; 4 quarter hours Vertebrate Physiology; 4 quarter hours Human Anatomy and Physiology; 4 quarter hours in each of the following options: Stress Physiology, Histology, or other research projects in lieu of outside course.

Program is preparatory for careers and/or future study in life or health sciences, medicine, dentistry, pharmacy, graduate research work in laboratory biology.

Additional course allowed: Yes

Internship possibilities: No

**Advanced Chemistry, Physics and Mathematics**

Fall, Winter, Spring/Group Contract.

Sponsor: Lee Anderson.

Enrollment: 22.

Prerequisites: Matter and Motion or equivalent; at least two quarters of calculus.

Special Expenses: None.

Part-Time Options: Yes.

This group contract allows students to study major advanced topics in mathematics and the physical sciences needed to complete an undergraduate curriculum. They may study all or part of these subjects in several ways. Students whose primary work is in this group contract will be organized into a seminar or colloquium. This group will serve as a forum where advanced students with a common interest in science can share and develop their ideas in a more sophisticated atmosphere than that of more basic programs.

Fall quarter: Thermodynamics: An advanced treatment stressing the coherence of the laws of thermodynamics and the calculation of reaction potentials.

Classical Mechanics: The traditional junior-level physics course.

Winter quarter: Quantum Mechanics: An advanced treatment, using vector calculus and computer techniques to explore the structure and energy of atoms and molecules.

Spring quarter: Organic Instrumental Analysis: The operation of instruments for performing spectroscopic analysis, and interpretation of the spectra.

Abstract Algebra: An introduction to the study of abstract algebraic structures, including groups, rings and fields.

Each option is given 4 quarter hours. Some are prerequisite to others; consult instructors for more information. Students in this contract may also elect to take some of the half-time (8 quarter hour) spring quarter options offered in Matter and Motion.

Planned equivalencies: Equivalencies will be 4 quarter hours of each of the options taken.

Program is preparatory for careers and/or future study in all sciences, especially mathematics, chemistry, physics, experimental biology, health and environmental sciences.

Additional course allowed: Yes.

Internship possibilities: No.
Computability: The Scope and Limitations of Formal Reasoning

Fall, Winter, Spring/Group Contract.
Sponsor: Al Leisenring.
Enrollment: 22.
Prerequisites: Interview, coordinator signature required.
Special Expenses: None.
Part-Time Options: Yes.

This group contract is designed for students with a strong interest in computer science, mathematics, or philosophy and who want to explore some of the interconnections among these three fields.

Students will study a number of topics in mathematics that are interesting in their own right but also have important applications in computer science. These will include: mathematical logic, graph theory, boolean algebra, combinatorics, abstract algebra, and the theory of formal languages. Both the theory and the application will be emphasized. The problem assignments will give students the opportunity to improve their skills in proving theorems and in devising efficient strategies for solving problems, either by hand or on a computer.

In addition to the above activities, in which the student is actually doing mathematics, considerable attention will be devoted to the philosophy of mathematics and computing. After formulating precise definitions of "mathematical proof" and "computable function" we will study one of the most profound and important mathematical results of the 20th century—Gödel’s discovery, made in the 1930’s, that there are problems in arithmetic which are inherently unsolvable. As we shall see, this discovery and others like it reveal that there are basic inescapable limits to what a computer can do. We will investigate the extent to which the human mind is subject to the same limitations.

There are no formal prerequisites for this contract beyond high school algebra, although a knowledge of computer programming is desirable. However, it will be assumed that students have sufficient aptitude and motivation to be able to think logically and to be comfortable in dealing with symbolic languages and abstract concepts.

Planned equivalencies: 8 quarter hours math logic; 8 quarter hours theory of computability; 8 quarter hours philosophy of math; 4 quarter hours discrete math; 4 quarter hours abstract algebra; 4 quarter hours computer programming; 4 quarter hours data structures; 4 quarter hours problem solving techniques; 4 quarter hours theory of formal languages.

Program is preparatory for careers and/or future study in mathematics, computer science, philosophy.

Additional course allowed: Yes
Internship possibilities: No

Evergreen offers introductory through advanced work in computer science. Among the programs regularly offered are Society and Computer (a basic program), the courses Introduction to Computers and BASIC and Data Structures, and programming practica covering a wide range of applications and languages. Advanced topics such as artificial intelligence, computer graphics, computer-assisted instruction, and so forth are offered through individual contracts and programs like The Nature of Thought.

Students interested in pursuing computing careers or graduate studies in computer science are encouraged to study subjects in the Scientific Knowledge and Inquiry and Management and the Public Interest Specialty Areas, in addition to computer-related topics.

Other offerings closely related to Scientific Knowledge and Inquiry:
While each of the Basic Programs meets the Entry expectations of Scientific Knowledge and Inquiry, those most closely related in specific content are Society and the Computer, Humanism and Science: Two Cultures in Transition.

Founded in 1976, in cooperation with Clark College, TESC-Vancouver attempts to offer this same "intellectual engagement" and "authentic self-motivation" as is found on the Olympia campus to upper division students of the Clark County area. Two self-contained two year Coordinated Studies programs are available to students who already possess the AA degree or its equivalent.

Communication: Advanced Interdisciplinary Studies in the Humanities and Social Sciences
Fall, Winter, Spring/Coordinated Study (80-82) in Vancouver. Coordinator: To be announced. Enrollment: 66. Prerequisites: Junior standing. Special Expenses: None. Part-Time Options: Yes.

This upper division, two-year Coordinated Studies Program is designed for residents of Southwest Washington whose career and personal interests include the study of communication. The program will lead to a Bachelor of Arts degree and accommodates employed students. The program can be entered any quarter, with half-time and full-time enrollment available.

Our ability to symbolize, think, create and express inner beliefs, values, discoveries and dreams distinguishes us from other animals. The future of our world as well as individual survival will be affected by the communication systems we develop. This program is designed to focus on various communication mediums, and to prepare students for careers in which communication is a vital component. The 1980-81 Seminar will touch on themes humans have addressed throughout time. Readings from the humanities and social sciences will provide a rich background and better understanding of ourselves and our society. Some specific study areas to be included are Language and Symbolic Systems, Psychological Perspectives in the 20th Century, Technology and Cultural Change, Introduction to Mass Communication, The Art of Design, Ethics and Aesthetics.

The second year of the program will allow for specialization in the study of expressive, interpersonal, and public communication. Internships will provide an opportunity for working with experts in various communication modes. Classes will continue to deal with issues and develop specific communication skills and expertise.

Planned equivalencies: FALL-6 quarter hours Introduction to Mass Communication, 4 quarter hours Culture and Values, 3 quarter hours Reasoning and Logic; WINTER-6 quarter hours Ethics and Aesthetics, 5 quarter hours Language and Symbolic Systems, 5 quarter hours Group Dynamics; SPRING-6 quarter hours Communication Bridges and Barriers, 5 quarter hours Psychological Perspectives of the 20th Century, 5 quarter hours Technology and its Impact.

Program is preparatory for careers and/or future study in human services, public relations, the expressive arts, media specialties and interpersonal communication.

Decision Making: Management and the Public Interest--Vancouver
Fall, Winter/Group Contract at Vancouver. Sponsor: To be assigned. Enrollment: 66. Prerequisites: Senior class standing or approval of instructor. Principles of Economics, Principles of Accounting. Special Expenses: None. Part-Time Options: Program consists of required 8 credit core plus elective courses. Part-time students may take either the core (8 credits) or core plus one elective (2 credits). Enrollment by part-time students in single courses only will be approved by sponsor only.

Rational and humanistic processes for problem-solving and decision-making in business and public life will be explored, documented and tested in practical applications. Program evaluation techniques and computer-based analytic and decision systems as well as behaviorally-oriented decision-making are included. Students electing to take more than 8 quarter credits will also choose from the following four-credit courses: Government Regulation of Business, Negotiations, Economics for Managers, Governmental Accounting, The Northwest in the International Economy, Logic and Reasoning, Internship/Practicum.

Planned equivalencies (for core): 4 quarter hours Program Evaluation; 4 quarter hours Quantitative and Qualitative Decision-Making. Program is preparatory for careers and/or future study in business and public administration, educational administration, non-profit corporations, consulting, and leadership in community services.

Additional course allowed: Yes Internship possibilities: Yes
In conjunction with the University of Puget Sound, The Evergreen State College offers a half-time four quarter curricula leading to the provisional certification for teaching at the elementary, junior high or senior high school level.

The program is designed as a half-time program (except for the final quarter of student teaching which is full time) so that students may pursue work on their subject area specialties at the same time. For this reason the program is most appropriate to students who are at the junior level in college.

**Admission**

Admission to the initial programs in the Teachers' Certification program requires prior admission to the College, junior class standing at the time of entering the program, and a grade point average (where ascertainable) of at least 2.25 (or C+ or better). Students wishing to apply for this program should fulfill all admission requirements—including filling out a special application form obtainable from the Admissions Office—prior to April 15, 1980. Students who are selected for admission to the program will be notified in writing prior to the Academic Fair and Registration Process in May. Full information may be obtained through the Admissions Office.

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**TESC-UPS Teacher Certification Program**

**Elementary School Preparation**
(47 quarter hours)

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<th>Semester</th>
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**Secondary School Preparation**
(40 quarter hours)

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<td></td>
<td>Secondary Curriculum Development &amp; Methods</td>
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Schedule and Sequence of Curriculum

Except during the final quarter of student teaching, the Teacher's Certification classes are held in the afternoons. Students may fill in their programs with Evergreen part-time studies, but they should plan to schedule those in the mornings or evenings.

The sequence of courses for the provisional certification in elementary and secondary education follows with course descriptions listed subsequently.

Course Descriptions

301 INTRODUCTION TO TEACHING
Field experience, to allow students to ascertain commitment to the educational profession. Provides direct work experience with teachers in school setting. Must plan a three hour block, either morning or afternoon, in a selected school district. Prerequisites: Education 301, cumulative grade point average of 2.25 or higher. Required for provisional certificates.

302 PSYCHOLOGICAL FOUNDATIONS OF EDUCATION
Major theoretical concepts related to human development, learning, teaching-learning process, development of effective teaching-learning strategies; application to immediate, future instructional tasks. Prerequisites: Education 301, cumulative grade point average of 2.25 or higher. Required for provisional certificates.

345 SOCIAL STUDIES IN THE ELEMENTARY SCHOOL
Teaching strategies; current research, practical aspects of teaching social studies. Laboratory experiences and micro-teaching. Prerequisites: Education 301, 302.

346 INSTRUCTIONAL STRATEGIES
Survey of general teaching methods applicable in various subjects.

347 ACTIVITIES IN THE ELEMENTARY SCHOOL
Introduces basic principles for teaching art, music, physical education in the elementary school. Instructors are specialists from the three departments. Strongly recommended for every elementary teacher.

348 NEW OFFERING
Language Arts and Writing. Focus on teaching language arts as communication.

349 READING IN THE ELEMENTARY SCHOOL
Language arts as interrelated communication process; analysis of program objectives, methods, material; development of teaching-learning strategies in elementary school settings. Prerequisites: Education 301, 302.
350 **MATHEMATICS IN THE ELEMENTARY SCHOOL**
Techniques of teaching elementary school mathematics; examination of texts. Reports from book consultants; films, class presentations, individual tutoring of elementary students. Prerequisites: Education 301, 302, or permission of instructor.

359 **TEACHING STRATEGIES IN THE SECONDARY SCHOOL**
Curricular, organization patterns in secondary schools, emphasis on teaching techniques (i.e., lecture, seminar, inquiry, questioning strategies, and use of community resources). Course intended for juniors.

365 **SCIENCE FOR ELEMENTARY TEACHERS**
Background in biological, physical sciences recommended. Development of skills in fusing a science program and materials into a learning experience for children. Prerequisites: Education 301, 302.

401 **ELEMENTARY SCHOOL STUDENT TEACHING**
Directed student teaching in student's preferred grade of public elementary schools, daily for a full term, seminar in advanced methods included. School of Education endorsement required. Required for the Provisional Elementary Certificate. To be taken concurrent with Education 416.

402 **SECONDARY SCHOOL STUDENT TEACHING**
Directed student teaching in the student's major and minor fields of concentration at the junior high and/or high school level for 4-6 class periods daily during a full term. Seminars will be arranged. School of Education and major department endorsement required. To be taken concurrent with Education 416.

415 **CONTEXT OF TEACHING**
Through an analysis and evaluation of selected socio-cultural forces which influence educational programs and institutions, each student should be able to define more precisely his/her values, assumptions and role as teachers in the schools of America.

416 **TEACHING-ELEMENTS OF SUCCESS**
Required course for all students seeking teacher certification. A seminar in which a variety of topics important to successful teaching will be discussed. Must be taken concurrently with student teaching.

463/563 **TEACHING SECONDARY READING IN THE CONTENT FIELDS**
Reading problems, programs, techniques of teaching reading for prospective, practicing secondary teachers; emphasis on developmental reading with a focus on how reading fits into a language curriculum.