

# Energy Systems

Evergreen offers a year-long program in **Sustainable Community Design and Energy Systems** that includes study of solar, wind, geothermal, wood, electricity, petroleum, coal and nuclear energy systems—how they work, how they are designed, their political implications, economic impacts, environmental effects and more.

In the **Energy Systems** program advanced students devote an entire school year working through many aspects of energy, learning mathematics, physics, engineering, economics, and politics and preparing major energy projects of their own.

**Energy Systems** students in the past have built hybrid cars, solar collectors, wood gasifiers, and wind generators, and they have designed energy-efficient homes. They have gone on to internships and graduate work in many different aspects of energy with government agencies and businesses, in engineering, law and public administration.

The heart of the **Energy Studies** curriculum is the third-year program, “**Energy Systems**.” We suggest students interested in concentrating in the area of energy studies consider following the sequence of study outlined below:

## First Year

Any *Core Program* including study in the arts, sciences, humanities and social sciences.

## Second Year

Open program choice, but we recommend that students acquire background in introductory calculus and physics. See these programs in our Catalog: “**Matter and Motion**,” “**Foundations of Natural Science**” and “**Habitats**.”

## Third and Fourth Years

“**Energy Systems**,” “**Physical Systems**,” “**Chemical Systems**,” individual contracts and internships.

## How Does it all Work?

Full-time students at Evergreen enroll in a single, comprehensive academic program each quarter, rather than several separate courses. The programs are interdisciplinary—a number of subjects are combined to study a central topic or problem. For example, “**Habitats: Marine, Terrestrial and Human**” examines the interaction of humans with their environments through studies of chemistry, statistics, environmental sciences and environmental issues.

## Seminar

The seminar or small group discussion, is the central feature of an Evergreen program. Other program activities include lectures, labs, workshops, field trips and faculty conferences.

## Core Programs

Core programs are designed for first- and second-year students, and are staffed by Evergreen's most experienced teachers. Students acquire knowledge in several subject areas while developing skills in reading, writing and seminar.

## Individual Contracts

Individual contracts provide flexible learning opportunities for advanced students who are prepared to pursue a self-designed program with guidance from a faculty sponsor.

## Advising Services

Our Advising Services enable you to make intelligent decisions about your education at each step of the way, rather than follow standardized requirements. In other words, you are able to work with a faculty or staff advisor in designing a coherent path through our Core, intermediate and advanced offerings. In this way you can combine programs, projects and internships as you work toward your degree. If you have chosen a field of study, if you are undecided, or if you change your mind later, our advisors can assist you in making appropriate plans.

## The Learning Environment

Evergreen challenges you to think independently and creatively. You will find that your teachers encourage you to develop your potential and your interests as a student by working productively with others rather than competing with them. Evergreen faculty provide written evaluations rather than grades to reflect your achievements.



The Evergreen State College  
Olympia, Washington

## Facilities/Equipment

Facilities and equipment are important to serious students in the sciences. Access is even more important. At Evergreen, our science students enjoy hands-on access to equipment and facilities, including computer-assisted and controlled equipment. Evergreen possesses a wide range of scientific equipment and graduate-level research facilities that are extensively used by and readily available to all students.

## Life After Evergreen

Overall, Evergreen graduates enjoy unusual success. In our most recent placement survey, 94% of our graduates who responded reported they are employed, in graduate school or in other placements of their choice.

Evergreen is a public, liberal arts college of 3000 students, offering Bachelor's and Master's degrees. Tuition is \$537 per quarter for Washington state residents and \$1883 per quarter for non-residents.

For further information about Evergreen and for help in planning your studies in **Energy Systems**, please contact:

Admissions: (206) 866-6824  
Academic Advising: (206) 866-6000, ext. 6312

or write:

Admissions Office  
The Evergreen State College  
Olympia, WA 98505

Prospective students who wish to request a catalog should call the Admissions Office at (206) 866-6824. After working hours (5 p.m. P.S.T.), an answering machine will record your request.

at Evergreen 1990-91



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