

The Future of Energy at Harvard

GRADUATE CONSORTIUM ON ENERGY AND ENVIRONMENT

TRAINING A NEW GENERATION OF SCHOLARS

The Harvard Graduate Consortium on Energy and Environment will foster a new community of doctoral students who will be well versed in the broad, interconnected issues of energy and environment while maintaining their focus in their primary discipline. Through debate and dialogue in coursework and seminars, students will be able to identify the obstacles, highlight the opportunities, and define the discussion of an energy strategy for the 21st century and beyond.

PROGRAM DESCRIPTION

The Consortium is open to any Ph.D. or Sc.D. student at Harvard who has completed at least one year in their home department or school, and can demonstrate that participation in the Consortium will advance the goals of their research experience. Once admitted to the Consortium, students are required to take three courses designed to give doctoral students an introduction to critical aspects of energy issues: one course each on energy technology, energy policy, and energy consequences. Students are also required to participate in a weekly reading seminar that will provide an overview of the energy field from a wide range of perspectives, and will be led by faculty members from around the university. Each student in the program will be eligible to receive up to \$1,000 to attend conferences or other appropriate professional activities during their time in the program.

SEE OTHER SIDE TO APPLY

»ENERGY TECHNOLOGY: (SPRING 2009)

Taught by Michael Aziz, School of Engineering and Applied Sciences. The course will provide a basic but technically rigorous introduction to energy systems, including a review of thermodynamics of energy technologies and surveys of some of the major fossil fuel technologies across all sectors. It will also cover recent innovations, and examine new technologies that could replace existing types of energy systems.

»ENERGY POLICY: (SPRING 2009)

Co-taught by William Hogan and Erich Muehlegger, Harvard Kennedy School. The course will provide students with an introduction to economic and policy dimensions of the energy choices needed to meet economic and environmental goals in both the near and long term. It will cover both international and domestic programs and policies.

»ENERGY CONSEQUENCES: (FALL 2009)

Taught by Daniel Schrag, Department of Earth and Planetary Sciences. The course will give students an introduction to climate and climate change, the carbon cycle, air and water pollution from energy systems, impacts of land use on natural ecosystems, and implications of energy use for human health.

»READING SEMINAR: Articles will be assigned each week on various topics related to the energy field, with discussion to be led by faculty across the university. Regular attendance during the entire academic year is mandatory.

www.energy.harvard.edu



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TO APPLY

The program will begin in the Spring semester of the 2008-2009 academic year. Doctoral students (Ph.D. or Sc.D.) can apply for admission to the program after completing their first year. Applicants should submit a 1-page C.V. and a statement of no more than 500 words describing their interest in and qualifications for the program and how it relates to their graduate work. Applicants must also submit a letter of support from their research advisor, along with a proposed course of study that specifies when they plan to take each course. Note that requirements need not be completed within one year. Applications for the first semester should be submitted by October 31, 2008 to James Clem (clem@fas.harvard.edu) at the Harvard University Center for the Environment. A second round of applications will be solicited in May 2009.

Harvard University Center for the Environment
24 Oxford St., 3rd floor
Cambridge, MA 02138

GRADUATE FELLOWSHIPS

Students accepted into the Consortium will be eligible to apply for graduate fellowships provided by the Harvard University Center for the Environment. Approximately 30 fellowships will be awarded each year. Students interested in competing for these awards should enclose an additional letter with their application that lists current and anticipated sources of support for their doctoral research.

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