Centers, Laboratories, and Institutes

Independent research laboratories, centers, and institutes perform multidisciplinary research that extends beyond the scope of any one of the University’s organized schools. The listings are not all-inclusive. Click on the "Expand Menus" link at the top of the right hand menu to show a broad selection of other sites at Stanford University. A comprehensive list of Stanford offices is available on the University’s A to Z Index page (http://www.stanford.edu/atoz).

The following tabs contain information on programs for undergraduates:

- Freeman Spogli Institute for International Studies (FSI) (http://exploredegrees.stanford.edu/archive/2012-13/centerslaboratoriesandinstitutes/#freemanspogliinstitutetext)
- Woods Institute for the Environment (http://exploredegrees.stanford.edu/archive/2012-13/centerslaboratoriesandinstitutes/#woodsinstitutetext)

Office of Vice Provost and Dean of Research

Vice Provost and Dean of Research and Dean of the Independent Laboratories, Centers, and Institutes: Ann M. Arvin
Office: 450 Serra Mall, Main Quadrangle, Building 60
Mail Code: 94305-2064
Phone: 650-723-8789 / Fax 650-723-0662
Web Site: http://stanford.edu/dept/DoR
Office Fax: 650-723-0662

The following independent Laboratories, Centers, and Institutes report to the Vice Provost and Dean of Research:

Biological and Life Sciences
- Bio-X, the interdisciplinary program related to bioengineering, biomedicine, and biosciences, http://biox.stanford.edu
- Spectrum (formerly the Stanford Center for Clinical and Translational Education and Research), http://spectrum.stanford.edu

Environmental Sciences
- Global Climate and Energy Project (G-CEP), http://gcep.stanford.edu

Humanities and Social Sciences
- Center for Advanced Study in the Behavioral Sciences (CASBS), http://www.casbs.org
- Center for the Study of Language And Information (CSLI), http://www-csli.stanford.edu
- Freeman Spogli Institute for International Studies (FSI), http://fsi.stanford.edu
- Center on Democracy, Development, and the Rule of Law (CDDRL), http://cddrl.stanford.edu
- Stanford Health Policy (Center for Health Policy/Center for Primary Care and Outcomes Research), http://healthpolicy.stanford.edu
- Center for International Security and Cooperation (CISAC) http://cisac.stanford.edu
- Walter H. Shorenstein Asia-Pacific Research Center (Shorenstein APARC), http://aparc.stanford.edu
- The Europe Center, http://eue.stanford.edu
- Inter-University Center for Japanese Language Studies (IUC), http://www.stanford.edu/dept/IUC
- Program on Energy and Sustainable Development (PESD), http://peds.stanford.edu
- Stanford Program on International and Cross-Cultural Education (SPICE), http://spice.stanford.edu
- Human-Sciences and Technologies Advance Research Institute (H-STAR), http://hstar.stanford.edu
- Stanford Center for Innovations in Learning (SCIL), http://scil.stanford.edu
- Stanford Center on Longevity (SCL), http://longevity.stanford.edu
- Stanford Humanities Center, http://shc.stanford.edu
- Center on Democracy, Development, and the Rule of Law (CDDRL), http://cddrl.stanford.edu

Physical Sciences
- Edward L. Ginzton Laboratory, http://stanford.edu/group/ginztom
- Geballe Laboratory for Advanced Materials (GLAM), http://stanford.edu/group/glam
- Kavli Institute for Particle Astrophysics and Cosmology (KIPAC), http://www-group.slac.stanford.edu/kipac, operated jointly with SLAC National Accelerator Laboratory
- Photon Ultrafast Laser Science and Engineering (PULSE), http://pulse.slac.stanford.edu, operated jointly with SLAC National Accelerator Laboratory
- Stanford Institute for Materials and Energy Sciences (SIMES), http://simes.slac.stanford.edu, operated jointly with SLAC National Accelerator Laboratory
- W. W. Hansen Experimental Physics Laboratory (HEPL), http://hepl.stanford.edu

Centers Reporting to the Dean of Humanities and Sciences

- Institute for Research in the Social Sciences (IRiSS), http://iriss.stanford.edu
- Stanford Center for Population Research (SCPR), http://iriss.stanford.edu/scpr
- Stanford Center for the Study of Poverty and Inequality (CPI), http://iriss.stanford.edu/CPI
- Stanford Center for American Democracy (SCAD) (web site in development)
- Stanford Center on Philanthropy and Civil Society (PACS), http://pacscenter.stanford.edu
Center for Space Science and Astrophysics


Director: Roger W. Romani

Associate Directors: Umran S. Inan, Philip H. Scherrer

Professors: Roger Blandford (Physics, SLAC), Elliot Bloom (SLAC), Lambertus Hesselink (Electrical Engineering), Umran S. Inan (Electrical Engineering), Steven Kahn (Physics, SLAC), Tane Kame (SLAC), Peter F. Michelson (Physics), Vahé Petrosian (Physics), Roger W. Romani (Physics), Norman H. Sleep (Geophysics), Guenter Walther (Statistics), Howard Zebker (Electrical Engineering, Geophysics)

Associate Professors: Tom Abel (Physics, SLAC), Steve Allen (Physics, SLAC), Sarah Church (Physics), Stefan Funk (Physics, SLAC), Chao-Lin Kuo (Physics, SLAC), Risa Wechsler (Physics, SLAC)

Assistant Professors: C-W. Francis Everitt (HEPL), Philip H. Scherrer (Physics)

Professors (Research): C-W. Francis Everitt (HEPL), Philip H. Scherrer (Physics)

SLAC Staff Physicist: Grzegorz Madejski

Center Offices: Varian, Room 340

Mail Code: 94305-4060

Phone: (650) 723-1439

Email: danav@stanford.edu

Web Site: http://www.stanford.edu/group/CSSA

The Center for Space Science and Astrophysics is an interdepartmental organization coordinating research in space science and astrophysics. Its members are drawn from the Department of Geological and Environmental Sciences in the School of Earth Sciences; the departments of Aeronautics and Astronautics, Electrical Engineering, and Mechanical Engineering in the School of Engineering; the departments of Applied Physics, Physics, and Statistics in the School of Humanities and Sciences; the W. W. Hansen Experimental Physics Laboratory; and the SLAC National Accelerator Laboratory. Its membership also includes all faculty and appropriate staff at the Kavli Institute for Particle Astrophysics and Cosmology, located at SLAC and the Physics department.

The facilities of the center are available to any interested and qualified student, who must be admitted by and registered in a department. The departments of Aeronautics and Astronautics, Applied Physics, Electrical Engineering, Mechanical Engineering, and Physics offer opportunities leading to an M.S. or Ph.D. degree for work in space science or astrophysics. The center also offers opportunities to undergraduates who may, for instance, participate in research projects in their junior or senior years, on a part-time basis during the school year or on a full-time basis during the summer. The Astronomy Course Program operates a small student observatory where students may gain practical experience in astronomical observing.

Freeman Spogli Institute for International Studies (FSI)

The Freeman Spogli Institute for International Studies (FSI) provides opportunities for undergraduate research through the CISAC Interschool Honors Program in International Security Studies and the CDDRL Undergraduate Honors Program. For information on the institute that manages student fellowship programs, see the Fellowship (http://fisi.stanford.edu/fellowships) web site.

Interschool Honors Program in International Security Studies

Co-Directors: Martha Crenshaw, Joseph Felter

The Center for International Security and Cooperation (CISAC) coordinates a University-wide Interschool Honors Program in International Security Studies. Students chosen for the honors program intern with a security-related organization, attend the program’s honors college in Washington, D.C., in September, attend a year-long core seminar on international security research, and produce an honors thesis with policy implications. Upon fulfilling individual department course requirements and completing the honors program, students graduate in their major with a certificate in Honors in International Security Studies. To be considered for the program, students must demonstrate sufficient depth and breadth of international security course work. Successful applicants to the program are expected to have taken:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLISCI 114S</td>
<td>International Security in a Changing World</td>
<td>5</td>
</tr>
<tr>
<td>MS&amp;E 193</td>
<td>Technology and National Security</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>and at least one related course such as</td>
<td>4-5</td>
</tr>
<tr>
<td>ECON 150/</td>
<td>Economic Policy Analysis</td>
<td></td>
</tr>
<tr>
<td>PUBLPOL 104</td>
<td></td>
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<tr>
<td>STS 110/</td>
<td>Ethics and Public Policy</td>
<td></td>
</tr>
<tr>
<td>MS&amp;E 197/</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PUBLPOL 103B</td>
<td>Organizations and Public Policy</td>
<td></td>
</tr>
<tr>
<td>PUBLPOL 102/</td>
<td>War and Peace in American Foreign Policy</td>
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<tr>
<td>SOC 166</td>
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<tr>
<td>POLISCI 116/</td>
<td>History of Nuclear Weapons</td>
<td></td>
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<tr>
<td>HISTORY 103E</td>
<td></td>
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<tr>
<td>POLISCI 123/</td>
<td>Politics and Public Policy</td>
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<tr>
<td>PUBLPOL 101</td>
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</table>

Students in the program enroll in IIS 199 Interschool Honors Program in International Security Studies, in Autumn, Winter, and Spring quarters. Information about and applications to this program may be obtained from the Center for International Security and Cooperation, C206-7 Encina Hall Central, telephone (650) 725-9132 or http://cisac.stanford.edu.

Interschool Honors Program in Democracy, Development, and the Rule of Law

Directors: Francis Fukuyama

The Center on Democracy, Development, and the Rule of Law (CDDRL) Undergraduate Senior Honors Program provides students majoring in any Stanford academic department the opportunity to conduct an independent
research project focused on the fields of democracy, development, and the rule of law under CDDRL faculty guidance. Students are required to complete a year-long honors research seminar that begins autumn quarter of the junior year. They will spend the last quarter of the senior year working independently with their faculty advisor to complete and submit their honors thesis ahead of their formal defense in mid-May. Upon fulfilling individual department course requirements and completing the honors program, students graduate with a certificate in Honors in Democracy, Development, and the Rule of Law.

Students interested in the program consult with their prospective honors advisers in their junior year to determine the tentative thesis topic, which should have some degree of policy relevance. Prerequisites for the program include: a 3.5 grade-point average at the time they apply; a strong overall academic record; sufficient depth and breadth in the fields of democracy, economic and social development, rule of law, and human rights course work; and demonstrated skills in writing and conducting independent research.

Students are required to attend honors college in Washington, D.C. in September before autumn quarter classes begin. Applicants are discouraged from studying abroad during the duration of the CDDRL Undergraduate Honors program.

Required course work includes:

- CDDRL’s flagship undergraduate lecture course taught during Autumn Quarter, which ideally should be completed before the student enters the honors program.

- **Units**
  - INTNLREL 114D Democracy, Development, and the Rule of Law 5 or POLISCI 114D
  - DDRL Honors Research Methods Seminars: Students meet their peers and faculty on a weekly basis to present their project theses and receive feedback.

- **Units**
  - Spring Quarter, Junior Year (0)
  - Autumn Quarter, Senior Year (0)
  - Winter Quarter, Senior Year (0)

  - Two additional courses that relate to the fields of democracy, development, and the rule of law (please see the program application for a list of examples).

Admitted students must be able to fulfill all course requirements in their individual majors by the time they graduate, in addition to the units required for the honors program.

For more information, contact Sarina Beges, CDDRL Program Manager at sbeges@stanford.edu or see the CDDRL (http://exploredegrees.stanford.edu/centerslaboratoriesandinstitutes/cddrl.stanford.edu) web site.

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**Woods Institute for the Environment**

**Goldman Interschool Honors Program in Environmental Science, Technology, and Policy**

The Woods Institute for the Environment (http://woods.stanford.edu) coordinates a University-wide interschool honors program in environmental science, technology, and policy. Undergraduates planning to participate in the honors program are required to pursue studies in environmental sciences, technology, and policy, with a concentration in a single discipline. After completion of the prerequisite units, students join small group honors seminars to work with faculty members in the environmental field on an honors thesis that incorporates both scientific principles and policy aspects of environmental issues.

Courses in environmental studies appear under the course listings of the schools of Earth Sciences, Engineering, and Humanities and Sciences. Information about and applications to this program may be obtained by phoning (650) 723-5697 and at Goldman Honors Program (http://woods.stanford.edu/education/goldman) web site.

The Woods Institute provides support for student group projects focusing on the environment and sustainability. For details, see the Mel Lane Student Program (http://woods.stanford.edu/students/projects.html) web site.

The Woods Institute also sponsors a weekly series of talks on a broad range of energy topics under the rubric of:

<table>
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<tr>
<th>Units</th>
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<tbody>
<tr>
<td>CEE/ENERGY</td>
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<tr>
<td>301</td>
</tr>
</tbody>
</table>

For more information, see the Energy Seminar (http://woods.stanford.edu/cgi-bin/energyseminar.php) web site.

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**Other Academic Programs and Centers, and Independent Research Laboratories, Centers, and Institutes**

- Hoover Institution on War, Revolution and Peace, http://www.hoover.org
- SLAC National Accelerator Laboratory (SLAC), http://www.slac.stanford.edu
- Stanford Synchrotron Radiation Laboratory (SSRL), http://ssrl.slac.stanford.edu