UC Davis Graduate Studies
Annual Report
2011-2012

Feeding the hungriest

Top-ranked graduate programs

Creating a better world

Universal discoveries
Engaging our Vision of Excellence

Graduate Studies at UC Davis... a reputation of collaboration, innovation and excellence

Graduate Studies at UC Davis continues to attract and support a diverse and talented student body from around the world. We offer a graduate education experience that excels in collaborative, interdisciplinary study – bringing students and faculty from different academic backgrounds together to address real-world challenges.

The mission and vision of UC Davis Graduate Studies are to:

- Advocate on behalf of graduate students and postdoctoral scholars.
- Support staff and faculty engaged in delivering high quality graduate education, characterized by high academic standards.
- Provide innovative academic resources, training and professional development opportunities for graduate students, postdoctoral scholars and faculty.
- Efficiently administer academic and administrative policies affecting graduate students and postdoctoral scholars.
- Cultivate a culturally rich and intellectually diverse environment.

UC Davis master’s and doctoral graduates become leaders in their fields – researchers, educators, politicians, mentors and entrepreneurs.

Graduates go on to guide, define and impact change within our global community.

Pictured: Dean Jeffery Gibeling heads off to a meeting across campus.

Engaging our students...

Each year the dean leads incoming graduate students on an up pace road bike ride to Winters and back to the campus.
The Vision: Learning and Scholarship

Applications, admissions and fellowships continue to rise, new program admits first students, research symposium a hit

With graduate students at the forefront of everything Graduate Studies does, we continuously look at ways to evolve and improve our graduate programs, while providing wide reaching student support and active student engagement. We regularly consider and implement innovative approaches to recruit and retain our graduate students.

Applications and Degrees Awarded Hit Record High

Graduate programs at UC Davis continue to become more attractive to potential students, resulting in steady growth in graduate applications and enrollments over time. Ten years ago the division received 7,321 applications, while fall 2011 applications hit a record high of 10,582. We anticipate continued increases in the future. As a consequence, the UC Davis graduate student population is becoming more selective and diverse.

In 2012, Graduate Studies awarded a record high number of 1,351 graduate degrees.

Graduate Student Data Trends

Fall Term Graduate Admission and Enrollment Data

![Graph showing trends in applications, admissions, and enrollment from 2002-03 to 2011-12]
**Graduate Student Data Trends**

![Chart showing Graduate Student Data Trends]

**Fall 2011 Statistics**

- 90 = Number of Academic Programs
- 4,630 = Total Academic Program Enrollment
- 3,350 (72.3%) = CA Residents
- 390 (8.5%) = Non-CA Domestic
- 890 (19.2%) = International
- 510 (11.1% of total or 13.7% of domestic enrollment) = Underrepresented Minority (URM)
- 2,295 (49.6%) = Female; 2,335 (50.4%) = male
- 3,350 (72.3%) = Doctoral
- 1,280 (27.7%) = Master's/Other
- 1,510 = Graduate Student Researchers (GSRs)
- 1,030 = Teaching Assistants (TAs)
- 830 = Postdocs
- 2,000 = Faculty

*2011-12 Numbers are not yet final*
External Fellowships Continue to Rise
Graduate Studies actively encourages and supports applications for external fellowships by graduate students and postdoctoral scholars. In recent years we have seen a substantial increase in the number and value of external fellowships awarded. When we compare 2004-05 to 2011-12, there is a 163% increase in graduate student awards, a 38% increase in postdoctoral awards and a 126% overall fellowship award increase.

In 2011-12, Graduate Studies instituted a new expanded matching policy to provide incentives for students to seek extramural fellowships. This new policy should further increase the number of fellowships.

Award Amounts:

<table>
<thead>
<tr>
<th>Year</th>
<th>Graduate Students</th>
<th>Postdocs</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-12</td>
<td>$6,791,690</td>
<td>$1,498,770</td>
<td>$8,290,460</td>
</tr>
<tr>
<td>2010-11</td>
<td>4,413,844</td>
<td>1,504,281</td>
<td>5,918,125</td>
</tr>
<tr>
<td>2009-10</td>
<td>3,248,089</td>
<td>1,526,383</td>
<td>4,774,472</td>
</tr>
<tr>
<td>2008-09</td>
<td>3,333,090</td>
<td>1,551,139</td>
<td>4,884,229</td>
</tr>
<tr>
<td>2007-08</td>
<td>3,208,046</td>
<td>962,023</td>
<td>4,170,069</td>
</tr>
<tr>
<td>2006-07</td>
<td>2,791,481</td>
<td>952,013</td>
<td>3,743,494</td>
</tr>
<tr>
<td>2005-06</td>
<td>3,123,956</td>
<td>856,196</td>
<td>3,980,152</td>
</tr>
<tr>
<td>2004-05</td>
<td>2,578,374</td>
<td>1,090,221</td>
<td>3,668,595</td>
</tr>
</tbody>
</table>

Master of Professional Accountancy Program Approved
The Master of Professional Accountancy program was approved to admit students from backgrounds in economics, statistics engineering, and other degrees that fulfill the prerequisites. The degree is focused on providing these broadly trained students with the requisite accounting and ethics classes. The degree has three distinguishing features: UC degree meets California’s fifth year requirement with a master’s degree; understanding professional responsibilities and ethics; and training in international accounting standards.

Interdisciplinary Graduate and Professional Student Symposium
2012 was the second year for the Interdisciplinary Graduate and Professional Student Symposium. The well-received keynote speaker was high-tech entrepreneur and alumnus, Tim Bucher. Bucher has created several successful companies over the last 25 years, taking one of them public and selling four others to tech giants like Microsoft, Apple and Dell for over $1B.

The symposium is an opportunity for graduate and professional students to share their work with each other, the campus and the wider community. The primary goals are to:
- Showcase the scholarship of UC Davis’ exceptional graduate student population for the UC Davis campus community, and the community at large – Davis, the Sacramento region and the University of California system.
• Foster interdisciplinary interactions and collaborations among UC Davis graduate and professional students.
• Provide a space for graduate and professional students to learn about graduate student resources on issues including (but not limited to) mentorship, work/life balance, diversity and cross campus connections.

Pictured: The Poster category is examined at the Interdisciplinary Graduate and Professional Student Symposium.
The Vision: Innovation

High marks for diversity, new annual awards ceremony

Graduate Studies understands that innovation and growth benefit all facets of graduate education. We recognize and honor those students who have demonstrated innovation and excellence in their academic endeavors.

Graduate Programs Receive High Marks
UC Davis was among the top 10 in the U.S. for number of master’s degrees for minority students in the Engineering and English programs (Top 100 Degree Producers of Minority Degrees 2012", Diverse Issues in Higher Education).

New Graduate Studies Honors and Awards Ceremony
Graduate Studies held its inaugural Honors and Awards ceremony on June 7, 2012. This event recognizes UC Davis graduate students and postdoctoral scholars for excellence in the areas of teaching and academic research. The awards ceremony was an opportunity for friends, family, colleagues and the UC Davis community to honor and celebrate these exceptional individuals for their many contributions to our campus and to their fields of study.

Over 125 audience members watched as 19 awards were given to students in such disciplines as Agricultural and Resource Economics; Anthropology; Computer Science; Ecology and Evolution; Electrical and Computer Engineering; English; German; Molecular, Cellular and Integrative Physiology; Music; Nutritional Biology; Neurobiology, Physiology and Behavior; Genetics; Political Science; Statistics; and Civil and Environmental Engineering.

Pictured: Award recipients with Dean Gibeling (center).
The Vision: Global Issues

National and international relations remain a priority, with new ideas and partnerships continuously evolving

We recognize our national and international relationships by collaborating at every opportunity, by means of research projects, student exchanges and fellowship offerings. We continually explore additional opportunities for attracting, recruiting and retaining students from other countries.

New Partnership

UC Davis-Brazil Science Without Borders Programs

UC Davis will enroll as many as 100 Brazilian undergraduates, doctoral students, postdoctoral researchers and faculty over the next five years as part of a major Brazilian initiative and an agreement with UC Davis. We currently have two doctoral students enrolled on campus.

UC Davis was the first U.S. institution to sign agreements with the Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq; English translation: National Council for Scientific and Technological Development) and Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (CAPES; English translation: Coordination of Improvement of Higher Education Personnel).

As Brazil’s economy, now the world’s sixth largest, continues to expand, the South American country is funding scholarships and fellowships for scientific study in the United States. Students will pursue studies in engineering, technology, environmental management, nutrition and medicine.

The UC Davis-Brazil Science Without Borders Program is among the university’s largest international agreements.

Pictured: Brazilian undergraduate and graduate students currently studying at UC Davis under the Science Without Borders program. Photo courtesy of University Outreach and International Programs.

Deutsche Forschungsgemeinschaft Invitation

Dean Gibeling traveled to Bonn, Germany at the invitation of Deutsche Forschungsgemeinschaft (DFG) in January 2012. The DFG is the central public funding organization for academic research in Germany and supports basic research in all disciplines. It has recently initiated a second round of funding for the Excellence Initiative to promote top-level research and to improve the quality of German universities and research institutions with funding of EUR 2.7 billion for five years (2012-2017). The Excellence Initiative incorporates a three-tier approach of supporting Clusters of Excellence, Graduate Schools and Institutional Strategies.

The purpose of Dean Gibeling’s trip was to serve on an international review panel for proposals for universitywide Graduate Schools. The focus of the Graduate School proposals was on transforming doctoral education by expanding interdisciplinary research training, by providing an international experience and by engaging in team-based science. A critical aspect of the transformation involves a shift from a single-investigator/single-student model to training based on shared responsibility among a
group of faculty. In addition, the Graduate Schools being developed under the Excellence Initiative incorporate multiple opportunities for professional development beyond the research training. While these ideas are also being promoted within U.S. graduate schools, the level of funding provided by the DFG has led to rapid and sustainable change in graduate education at German universities.

**New Agreement**

**China Scholarship Council**

Provost Ralph Hexter and Jinghui Liu, Secretary General of China Scholarship Council, signed a Memorandum of Understanding on May 8, 2012 to finalize a collaborative agreement that offers up to 20 Ph.D. fellowships annually to students from China. This program has the potential, if fully implemented, to provide up to $8 million in graduate student support.

Initiated by the Office of University Outreach and International Programs, Graduate Studies will partner with the China Scholarship Council (CSC). The fellowship will pay full tuition fees, living costs, round trip airfare to California, visa application fees, and the cost for health insurance for the first two years. UC Davis will provide each selected student with support for the following three years. The agreement is for four years with options to extend it upon mutual approval.

Priority is given to the following 10 programs in the sciences and engineering, with the possibility expanding into other areas:

- Agricultural and Resource Economics
- Animal Biology
- Biological Systems Engineering
- Ecology
- Entomology
- Food Science
- Horticulture and Agronomy
- Hydrologic Sciences
- Plant Pathology
- Soils and Biogeochemistry

Students who are interested in this program must first apply and be accepted by the UC Davis graduate program of their choice. After being admitted, students then apply to the China Scholarship Council for funding.

*Pictured: Provost Ralph Hexter and Liu Jinghui, Secretary General of the China Scholarship Council, sign a Memorandum of Understanding offer Ph.D. fellowships to students from China with (l to r) Winston Ko, Dean, College of Letters and Science, Division of Mathematical and Physical Sciences, UC Davis; Harris Lewin, Vice Chancellor, Research, UC Davis; Jeffrey Gibeling, Dean, Graduate Studies, UC Davis; Wei Shao, Chief Education Consul; Consulate General of the People’s Republic of China in San Francisco; Li Meng, Deputy Director, Division of American and Oceanian Affairs, China Scholarship Council; Adrienne Martin, Associate Vice Provost, University Outreach and International Programs, UC Davis; Linxia Liang, Director, Asian International Programs, UC Davis. Photo courtesy of University Outreach and International Programs.*
The Vision: Sustainable Future

Addressing change and improving systems via new graduate program and technology advances

We are constantly looking at ways we can improve sustainability within Graduate Studies and our global community. We are creating a new environmental graduate program, have hired and collaborated with a new online applications vendor, made headway in the development of a new student information management hub (GradHub), and completed our electronic filing system (EDMS) implementation.

New Graduate Program Proposed
Environmental Policy and Management* 

The Environmental Policy and Management program is ideal for students interested in professional careers in environmental policy and management in either governmental or non-governmental positions. These positions require a mix of scientific and technical understanding as well as understanding and skills related to policy, economics, law and administration. The program combines a background in scientific preparation with training in diverse social science, management and professional disciplines. A focus of this program will be interdisciplinary training in applications of science directly relevant to real-world environmental policy and management issues. This program provides students with an integrative background in communication, organizational and policy skills needed to implement scientific and technical findings. *Pending approval.

Technology Advancements
ApplyYourself

We recently ended a five-year contract with our online admissions vendor and worked swiftly and diligently with a new online systems vendor to meet our admission and fellowship application deadlines for fall. The new vendor (Hobsons) offers attractive features and services not provided by the previous vendor. The newly created ApplyYourself online application system was rolled out to prospective students in September 2012.

Graduate Student Information Management Hub (GradHub)

Graduate Studies has been developing the much needed graduate student information management system for broad campus use. The Graduate Student Information Management Hub, or GradHub, is an integrated portal or “hub” to various modules that allow Graduate Studies staff, graduate program staff, graduate faculty advisers and faculty to enter data and access information related to graduate applicants, current graduate students and alumni. Centralized common functionality will include user management and access, program management, document management, electronic communications and workflow. Development will continue throughout the 2012-13 year with graduated deployment and functionality planned to include:

- Online admissions and fellowship review and decision making
- Graduate student information reporting
- Document management
- Online program review
- Program management and affiliation
- Electronic petitions and workflow (e-forms)
- Graduate student employment information resources
- Commencement registration and management
- Graduate student financial support management
- Electronic transcripts
- Graduate student orientation registration and management
- Recruitment fund and expense reporting
- Alumni data, placement and reporting

**Electronic Document Management System**

Graduate Studies completed the installation and implementation of an Electronic Document Management System (EDMS). Beginning in fall 2012, Graduate Studies is no longer creating paper files for incoming students. New records are automatically going into the electronic system, and existing hard copy files are currently being scanned into the system and then recycled. This implementation will allow the files to be accessed through the newly developed and inclusive GradHub online system, a first for Graduate Studies and its programs.
The Vision: Health and Access

First Nursing students graduate, new healthcare graduate track and program rolls out

A sound mind and body are conducive to the academic success of our graduate students and postdoctoral scholars. The inaugural class of our Nursing Science and Health-Care Leadership degree program graduated their first students. A new M.H.S. degree program combines modern health sciences and advanced clinical training.

Nursing Science and Health-Care Leadership

First Group Graduates

The Nursing Science and Health-Care Leadership graduate group graduated their first students in June 2012. Twenty-six Nursing students received their master's degree at the annual ceremony, with faculty and fellow students cheering them on. New master's students are enrolled and Ph.D. students are busy in their studies and even earning awards. A research abstract by doctoral student Katherine Kim (right) was selected by AcademyHealth as one of the top abstracts at the organization's 2012 Annual Research Meeting (June 24, 2012).

New Nursing Track Option Approved

Opens in fall 2012 for 2013 admission

The Family Nurse Practitioner track is a new option within the Nursing Science and Health-Care Leadership Master of Science degree graduate group. This interprofessional track will be administered by the Betty Irene Moore School of Nursing in close collaboration with the Department of Family and Community Medicine in the School of Medicine.

New Graduate Program Approved

Physician Assistant Studies

Opens in fall 2012 for 2013 admission

The Physician Assistant Studies program provides a solid foundation in modern health sciences combined with advanced clinical training that leads to the Master of Health Services (M.H.S.) degree. The didactic and clinical course work is designed to meet the state licensure, accreditation, and national certification requirements for physician assistants. The Betty Irene Moore School of Nursing faculty will provide the majority of the academic coursework and the clinical training will be delivered by School of Medicine faculty. Interprofessional educational training will be through the doctoring series, case studies, and special studies modules with nursing and medical students. Program faculty are interprofessional and multidisciplinary with expertise in medicine, nursing, informatics, nutrition, sociology, health policy, research and business. Graduates of this program will have enhanced capability in working effectively within the healthcare system to improve the delivery, provide the highest level of quality primary care to individual patients, and serve as leaders within their healthcare setting.
The Vision: Organizational Excellence

Unit does more with less, Self-Supporting Degree Task Force involvement, communication and engagement

Graduate Studies continues to find workable and cost effective solutions to improve, redefine and work within our organizational structure. Dean Gibeling becomes an active member of a provost-charged task force that will examine self-degree programs. We continue to use various communication methods to engage our constituents across the globe.

Doing More with Less

Significant Changes Resulting from Budget Reductions

The University of California has faced dramatic reductions in state funding over the past five years. In response, Graduate Studies has managed budget reductions while maintaining a high level of service to students and faculty, as well as the quality of our graduate programs.

- Reduction in staff personnel
- Temporary reduction to one Associate Dean
- Strategic focusing of recruitment activities
- Reduction in Graduate Group administrative support and Chair stipends
- Outsourced segments of information technology (College of Agricultural and Environmental Sciences)

Doing More with Fewer Staff

[Graphs showing data on Graduate Applications, Student Support Transactions, Graduate Enrollment, Degrees Awarded vs. Staff FTE]

* 2011-12 Numbers are not yet final
Self-Supporting Degree Program Task Force Member

Charged by the Provost and Executive Vice Chancellor, Dean Gibeling was a vital member of the Self-Supporting Degree Program Task Force this past year and served on the Committee on Academic Quality and Experience. In May 2011, the Provost and Executive Vice Chancellor established a Task Force to provide advice and recommendations to the Provost regarding self-supporting degree programs at UC Davis. Findings from the task force are documented in an 80-page report found at http://provost.ucdavis.edu/initiatives-and-activities/initiatives/ssdp.html.

Communication and Engagement

Dean Gibeling, along with staff from Graduate Studies, participated in a variety of communication processes with students, faculty and staff.

Annually

The Week of Orientation and Welcome (WOW) offers a week-long series of workshops, presentations, physical activities and events designed to introduce graduate students to the resources and services available for new and continuing graduate students and postdoctoral scholars at UC Davis. All events and activities are free of charge.

Quarterly

Dialogue with the Dean (with graduate students)
- “How the University Works” presented the intricacies of the university structure with an emphasis on graduate students’ role in higher education. (Fall)
- “Envisioning a Graduate Student Center” focused on ideas for a new Graduate Student Center. (Winter)
- “Know Your Rights” discussed how to deal with funding, climate issues or concerns with Graduate Studies. (Spring)

Dean’s Conversation (with faculty and separately with graduate program staff)
A plethora of timely topics are discussed at these quarterly meetings, such as the budget, new and changing policies, program additions/changes, staff changes, upcoming events, the restructuring proposal, and much more.

Ongoing

Websites
- Graduate Studies: http://gradstudies.ucdavis.edu
- McNair Scholars Program: http://www.mcnair.ucdavis.edu
- UC LEADS: http://ucleads.ucdavis.edu

Online and e-Newsletter
- GradLink (on the web and a weekly e-newsletter): http://gradstudies.ucdavis.edu/publications/gradlink

Social Media
- Facebook: http://www.facebook.com/UCDavistGraduateStudies
- Twitter: https://twitter.com/ucdgradstudies

Mentoring at Critical Transitions Program

The Mentoring at Critical Transitions (MCT) Program is a brown-bag seminar series offered by Graduate Studies to enhance the preparedness of faculty in areas affecting the mentoring, academic socialization, and overall success of our diverse graduate student population during the transitions from applicant to student, coursework to research, and research to professional career. MCT seminars provide faculty, who are already experts in their respective academic disciplines, with the professional development tools
necessary for them to focus on educational milestones, measures of student success, time to degree, building and sustaining inclusive environments, and redefining modes of mentoring and advising that are instrumental to graduate student success.

*Professional Development Program*

Graduate Studies recognizes the importance of providing Professional and Career Development opportunities for graduate students to develop their knowledge and skills beyond their formal academic training. Workshops and events are offered by Graduate Studies in partnership with units such as the Center for Excellence in Teaching and Learning, the University Writing Program and the Internship and Career Center.