GIDP
Graduate Interdisciplinary Programs
by the Numbers
NOTE:
These are the current GIDPs, and there are many former GIDPs that are now well recognized UA departments/programs.
• **American Indian Studies Graduate Interdisciplinary Program 2008/2009**

**Mission:**
American Indian Studies seeks to develop a strong understanding of the languages, cultures, and sovereignty of American Indians/Alaska Natives, which honors our ancestors and their wisdom.

American Indian Studies maintains productive scholarship, teaching, research, and community development; and provides unique opportunities for students and scholars to explore issues from American Indian perspectives which place the land, its history and the people at the center.

American Indian Studies promotes Indian self-determination, self-governance, and strong leadership as defined by Indian nations, tribes, and communities, all of which originated from the enduring beliefs and philosophies of our ancestors.

**Inception Date:** MA - 1982 PhD - 1996

**Total Faculty:** 32

**Faculty by College:**
- Agriculture & Life Sciences - 1
- Education - 2
- Humanities - 3
- Law - 4
- Medicine - 1
- Social & Behavioral Sciences - 1
- Research & Public Service Units - 12

**Total Faculty Research Expenditures:** $1.6 million

**Total Students:** 55
- Ph.D.: 27
- MS: 28

**Training Grant Resources:** N/A

**Other Sources of Funding for Students:**
- Assistantships: $152,424.00
- SFAZ: N/A
- GRS/GTS: $69,700.00
- Tier I GTA (from GIDP): $50,000.00
- Summer Internships: $5,000.00
- AIS Travel Grants: $3,594.00

**Ph.D. Degrees Awarded in 2008/2009:** 3

**MA Degrees Awarded in 2008/2009:** 8

**Awards Won By Students in 2008/2009:**
- Marshall Foundation Dissertation Fellowship, State Historian Scholars Program Fellowship, Freidl and Martha Lang Outstanding Student Award (High Plains Society for Anthropology).
• **Applied Mathematics 2008/2009 Graduate Interdisciplinary Program 2008/2009**

**Mission:**
We are one of the leading graduate programs in applied mathematics in the nation. Our mission is to provide intellectual leadership in interdisciplinary applied mathematics research and education at the University of Arizona, and to provide graduate training in applied mathematics leading to MS and PhD degrees that equip our students for careers in academia, industry, and government.

**Inception Date:** 1976

**Total Faculty:** 95 Members & Affiliates

**Faculty by College:**
- Engineering - 22
- Medicine - 12
- Optical Sciences - 8
- Science - 58
- Graduate College GIDPs - 3

**Total Faculty Research Expenditures:** $20.4 million

**Total Students: Ph.D.:** 45

**Training Grant Resources:**
- $3,500,000 by the National Science Foundation's Division of Mathematical Sciences for the 5-year VIGRE grant (Vertical Integration of Research and Education)
- $552,000 by the National Science Foundation for the 4-year S-STEM (Scholarships in Science, Technology, Engineering and Mathematics) grant, "Increasing the Number of Highly Qualified Mathematical Scientists in the Workforce"

**Other Sources of Funding for Students:**
- **BIOME:** $30,000
- **BMIS:** $22,000
- **Dept. of Defense:** $31,000
- **GIGA:** $24,000
- **Graduate College Fellowship:** $15,000
- **GRS/GTS:** $75,860
- **Research Assistantships (various):** $150,000
- **SFAZ:** $90,000
- **Teaching Assistantships:** $278,000

**Ph.D. Degrees Awarded in 2008/2009:** 7

**MS Degrees Awarded in 2008/2009:** 8

**Total Degrees Awarded since Inception:** 166 PhDs

**Awards Won By Students in 2008/2009:**
- **Carlos Chiquete** was selected as a 2009 College of Science Galileo Circle Scholar
- **David Morales** was selected as one of only ten recipients of a BioME graduate fellowship for 2008-09
- **Daniel Reich** was selected as the Outstanding Graduate Teaching Assistant for Spring, 2009
- **Mark Robertson-Tessi** received an Achievement Reward for College Scientists (ARCS) Scholarship
- **Rebecca Vandiver** was selected to be the speaker at the annual Al Scott Prize Lecture that was held on April 10, 2009
• **Arid Lands Resource Sciences Graduate Interdisciplinary Program 2008/2009**

**Mission:**
The ALRS Ph.D. program was established in 1968. The mission of the program is to provide an academic environment in which advanced students can examine the ecological, economic and social factors that determine the long-term sustainable use of arid and semi-arid lands. The ALRS program is unique nationally and internationally, advancing research questions on human-environment interactions that are recognized as critical by the wider academic and policy communities as well as by decision makers. The interdisciplinary nature of the program gives highly motivated students opportunities to pursue interdisciplinary scholarly research and its application to real world problems in a manner that is not matched by any academic program elsewhere. Over the past decade over 30 students have graduated from the program and perhaps the most telling statistics that points to the truly interdisciplinary role of the program comes from the graduate committees these students formed for their research – over 75 different faculty from 9 different colleges and 20 different departments guided our students to successful completion of their dissertations.

**Inception Date:** 1968

**Total Faculty:** 58

**Faculty by College**

- Agriculture and Life Sciences - 29
- Social and Behavioral Sciences - 21
- Science - 6
- Public Health - 1
- Engineering - 1

**Total Faculty Research Expenditures:** $11.0 Million

**Total Ph.D. Students:** 30

**Training Grant Resources:** N/A

**Other Sources of Funding for Students:**
- Assistantships: 9 GTAs and 6 GRAs
- SFAZ: 1
- GRS/GTS Funding: $47,351
- Fellowship Funding: $15,000

**Ph.D. Degrees Awarded in 2008/2009:** 3

**Ph.D. Degrees Awarded since 1989:** 60

**Awards Won By Students in 2008/2009:**
- Inter-American Foundation Doctoral Research Award
- American Association of University Women Research Fellowship
- WRRC Water Sustainability Graduate Fellowship
- NASA Space Grant Consortium Graduate Fellowship
- NASA Earth Science Fellowship
- Science Foundation Arizona Graduate Research Fellowship
- Marshall Foundation Dissertation Fellowship
- Arizona Association of Environmental Professionals
- Women in Science and Engineering
- Arizona Department of Agriculture Specialty Crop Block Grant Program
• **Biomedical Engineering Graduate Interdisciplinary Program 2008/2009**

**Mission:**
The mission of the Biomedical Engineering Graduate Interdisciplinary Program is to provide a world-class educational experience through classroom, lab work, and hands on experiences for our students, producing graduates who lead in biosciences and bioengineering industry, academic, and governmental institutions.

**Inception Date:**
The program was established in March 1997, with students beginning in Fall 1998.

**Total Faculty:** 67

**Faculty by College:**
- Agriculture and Life Sciences – 6
- Arizona Research Labs – 7
- Engineering – 16
- Medicine – 29
- Science – 3
- Social and Behavioral Sciences – 1
- Optical Sciences – 3

**Total Faculty Research Expenditures:** FY09 $15.4 million

**Total Students:**
- Ph.D.: 17
- MS: 3

**Training Grant Resources:**
- NIH Cardiovascular Biomedical Engineering Training Grant (6 appointees)
- NIH Biomedical Imaging and Spectroscopy Training Grant (typically 1-2 appointees)

**Other Sources of Funding for Students:**
- **Assistantships:** Research Assistantships (four students)
- **SFAZ:** two students
- **GRS/GTS:** assisted nine students with GRS/GTS funds

**Ph.D. Degrees Awarded in 2008/2009:** 3

**MS Degrees Awarded in 2008/2009:** 1

**Total Degrees Awarded since Inception:** 45

**Awards Won By Students in 2008/2009:**
- ARCS fellowships (2 students)
- Travel awards, presentation of abstracts/posters at conferences (9 students),
- BME Builder’s Day poster contest (1 student)
• **Cancer Biology Graduate Interdisciplinary Program 2008/2009**

**Mission:**
Cancer Biology is the comparative study of normal versus cancerous cells and tissues. The discipline includes the study of normal and tumor cell biology, molecular biology and biochemistry, cancer causation and biological rationale for cancer prevention and treatment. The education of scientists in Cancer Biology is needed because, even though Cancer Biology incorporates many diverse disciplines, relevant contributions from these disciplines can be made only if the scientists involved have had specific education in the biology of cancer. The goal of this Cancer Biology Interdisciplinary Graduate Program is to provide formal graduate education in the important discipline of Cancer Biology and award a doctorate degree in Cancer Biology. The ultimate goal in training these Cancer Biology Ph.D. students is to provide a cadre of scientists who have gained the required knowledge and research experience so that they can participate in finding solutions to the problems associated with human cancer.

The approach to this training involves didactic instruction and laboratory based research training. The curriculum for the didactic lectures are designed to thoroughly acquaint students with the body of knowledge that has been derived from experiments on the production, properties, prevention and treatment of cancer and to assure that the students have the necessary background in one or more related fundamental sciences to enable them to do original research.

**Inception of Program: 1988 (Cancer Biology Training Grant, 1978)**

**Total Faculty:** 59

**Faculty by College:**
- Agriculture and Life Sciences (2 departments, 4 faculty)
- Medicine (7 departments, 33 faculty)
- Pharmacy (2 departments, 9 faculty)
- Public Health (1 department, 2 faculty)
- Science (2 departments, 11 faculty)

**Total Faculty Research Expenditures:** $32.3 million

**Total Students:**
- Ph.D.: 25 including 1 MD/PhD in second year of med school at UA Phoenix campus
- 1 international exchange student from Germany

**Training Grant Resources:**
T32 CA009213-32 Cancer Biology Training Grant

**Other Sources of Funding for Students:**
- Assistantships: 13
- Fellowships: 2
- SFAZ: 2 students
- Training grant: 6 predoctoral and 4 postdoctoral trainees
- GRS/GTS: 9 GRS
- Initiatives for Maximizing Student Diversity (IMSD): 1

**Ph.D. Degrees since inception of Program in 1978:** 59

**Ph.D. Degrees Awarded in 2008/2009:** 8

**MS Degrees Awarded in 2008/2009:** 1 terminal MS

**Awards Won By Students in 2008/2009:**
- DOD predoctoral fellowship: 1
- Achievement Rewards for College Scientists (ARCS): 2
- Research Frontiers in Nutritional Science student poster award
- Travel awards: American Association for Cancer Research (AACR), Arizona Cancer Center: 7
- GIDP HE Carter Travel: 3
**Cognitive Science Graduate Interdisciplinary Program 2008/2009**

**Mission:**
The Cognitive Science Program is designed to support interdisciplinary research on understanding cognitive processes from diverse perspectives. Collaborative projects bring together theories, technologies and empirical findings from neuroscience, computer and information science, cognitive psychology, language sciences, and philosophy to understand the nature of cognition.

**Inception Date:**
The Cognitive Science Program was established in 1986, with a Ph.D. minor approved in 1990.

**Total Faculty:**
More than 60 faculty members are affiliated with the program, from the School of Medicine, the School of Mind, Brain and Behavior in the College of Science, and the College of Social and Behavioral Sciences. The Cognitive Science Program provides partial FTE support to faculty to facilitate interdisciplinary research and graduate instruction.

**Total Faculty Research Expenditures:** $6.6 million

**Students:**
The program includes undergraduate minors, and undergraduates who complete majors in cognitive science areas through the thematic major program. Graduate students have the option to complete a minor in Cognitive Science.

A new undergraduate major in Neuroscience and Cognitive Science is currently being planned, with the first courses scheduled to launch in Spring 2010.

**Sources of Funding for Students:**
The Cognitive Science Program provides fellowships for graduate students, as well as travel support for students who have presentations accepted at conferences.

**Ph.D. Degrees Awarded in 2008/2009:** 7

**MS Degrees Awarded in 2008/2009:** 0

**Contact Information:**
Director: LouAnn Gerken (on sabbatical 2009-2010)
Acting Director: Carole R. Beal, crbeal@email.arizona.edu 626-1214
• **Genetics Graduate Interdisciplinary Program 2008/2009**

**Mission:**
Genetics is the study of how physical traits evolve, are inherited and expressed. Because almost all life stores heritable information in nucleic acids, a deep understanding of the molecular mechanisms by which life transmits and expresses genetic information is critical for elucidating all biological processes. The mission of the Genetics Interdisciplinary Graduate Program is to train the next generation of life scientists with a broad foundation in the most universal and common biological processes applicable to all aspects of life sciences, with a strong emphasis in molecular genetics, genomics and biological systems. Integral to our vision of molecular genetics is the study of complex functional interactions of genes, gene products and the environment and how these interactions give rise to physical traits.

**Total Faculty:** 47

**Faculty by College:**
- Agriculture & Life Sciences – 8
- Pharmacy - 1
- Medicine – 9
- Science – 29

**Participating Faculty FY09 Research and Contract Expenditures:** $18.4 million

**Total Students:**
- Ph.D.: 12
- MS: 0

**Training Grant Resources:**
Genetics students have been supported by IGERT Genomics training grant and BioME (Biodiversity from Molecules to Ecosystems), an NSF-funded fellowship program

**Other Sources of Funding for Students:**
- GC Fellowship: $10,000
- Assistantships: TierOne/TierTwo Teaching Assistantship from GIDP
- SFAZ: 2 incoming students each awarded 2-year fellowships and 2 students in 2nd year of fellowship. Discontinuation of these awards has seriously affected our ability to support first-year students.
- GRS/GTS: Awarded $40,152 (used $16,697 in 2008-09; will use $32,264 in 2009-10)

**Ph.D. Degrees Awarded in 2008/2009:** 1

**MS Degrees Awarded in 2008/2009:** 0

**Awards Won By Students in 2008/2009:**
- **Bridget Barker** - 25th Fungal Genetics Conference Scholarship; University of Arizona Foundation Outstanding Teaching Assistant Award, recognized for excellence in teaching general education biology; Fungal Environmental Sampling Information Network (FESIN) Travel Award to attend the 2008 Ecology Society of America Annual meeting and FESIN conference; Herbert E. Carter Travel Award
- **Matthew Hart** - DOD Breast Cancer Research Program Pre-Doctoral (individual) Training Grant
- **Helen Smith** - Graduate student award from the Center for Insect Science
• **Global Change GiDP Graduate Interdisciplinary Program**

**Mission:**
The mission of the Global Change GiDP is to prepare doctoral students to engage in— and shape— the emerging interdisciplinary scientific community that is forging an integrated understanding of the natural and social dynamics of global change. Issues arising from the human alteration of the global environment require the preparation of a new type of scholar for Planet Earth, one who is trained differently from the traditional earth systems sciences framework. The program provides graduate students with a broad understanding of critical concepts and state-of-the-art skills, and offers a forum within which scholars in diverse disciplines can coalesce in innovative ways around the complex problems that constitute global change.

**Inception Date:** 1994

**Total Faculty:** 73 (incl. 3 Regents Professors; additionally, 4 emeritus faculty are still active in the program)

**Faculty by College:** (representation across 8 colleges and 3 research centers)

<table>
<thead>
<tr>
<th>College</th>
<th>Faculty</th>
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<tbody>
<tr>
<td>Agriculture &amp; Life Sciences</td>
<td>17</td>
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<tr>
<td>Architecture &amp; Landscape Architecture</td>
<td>1</td>
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<tr>
<td>Eller College of Management</td>
<td>1</td>
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<tr>
<td>Engineering</td>
<td>4</td>
</tr>
<tr>
<td>Optical Sciences</td>
<td>1</td>
</tr>
<tr>
<td>Public Health</td>
<td>1</td>
</tr>
<tr>
<td>Science</td>
<td>28 + 4 emeritus</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td>14</td>
</tr>
<tr>
<td>Institute of the Environment</td>
<td>2</td>
</tr>
<tr>
<td>Udall Center for Studies in Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>Water Resources Research Center</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total Faculty Research Expenditures:** $14.5 million

**Total Students:** *(we are a Ph.D. Minor only program)*

- **Ph.D.:** 44 Global Change minors (with majors in thirteen different Ph.D. programs)

**Training & Sources of Funding for Students:**

**Assistantships:**
- GC minor graduates are funded primarily by faculty affiliated with the Committee on Global Change on research grants and teaching assistantships through their major departments. Data on these assistantships are not compiled by the GC minor GiDP.
- SFAZ: 3 GC minor students have been SFAZ Graduate Research Fellows (since 2007)

**Fellowships:** see fellowships currently held by GC graduate students listed in the awards section

**Ph.D. Degrees Awarded in 2008/2009:** 3 minor degrees *(associated with 2 different major programs)*

**Total Degrees Awarded since Inception:** 32 minor degrees *(associated with 10 different major programs)*

**Awards Won By Students in 2008/2009:**
- Morris K. Udall Foundation Fellowship in Environmental Public Policy and Conflict Resolution
- National Defense Science and Engineering Graduate Fellowship
- American Center for Mongolian Studies Graduate Research Fellow Award
- Stockholm Environment Institute (SEI) Fellowship
- Public Entity Risk Institute (PERI)ship Fellowship
- NSF Graduate Research Fellowship
- NSF Amazon Partnership for International Research & Education in Amazon-Climate Interaction
- American Geophysical Union Outstanding Student Paper Award
- Soil Science Society of America International Meeting, Best Graduate Student Poster
- Achievement Reward for College Scientists - Prentice Scholar Award for 2008-09
- CATTS NSF K-12 Graduate Fellowships (2008-09) *(awarded to 3 GC minor grads)*
- College of Science Galileo Circle Scholarships *(awarded to 2 GC minor grads)*
• **Insect Science Graduate Interdisciplinary Program 2008/2009**

**Mission:**
The GIDP in Insect Science offers interdisciplinary doctoral training in the biology of insects. The Program is flexible in its requirements, allowing students to design, in collaboration with faculty, programs of study tailored to individual interests and needs. We particularly seek out applicants who have multidisciplinary interests, such as ecology-biochemistry or behavioral ecology–neurobiology, to name a few. We encourage students to develop cross-disciplinary connections and bring together aspects of insect biology in unconventional ways.

**Inception Date:** 1995

**Total Faculty:** 29

**Faculty by College:**
- Agriculture & Life Sciences - 13
- Science - 8
- Engineering - 1
- Research & Graduate Studies - 7

**Total Faculty Research Expenditures:** $7.9 million

**Total Students:** 10

**Training Grant Resources:** None

**Other Sources of Funding for Students:**
- Assistantships: 3
- BioME Fellowship: 1
- ARCS Scholarship: 1
- NSF IGERT in Comparative: 1
- P.E.O International Peace Scholarship: 1
- First Year Program Support: 1
- NSF Predoc: 1
- Faculty Advisor Support: 1

**PhD Degrees Awarded in 2008/2009:** 4

- Summer 2008 - Angelique Paulk
- Summer 2009 - Andre Riveros
- Spring 2009 - Christopher Schmidt, Kimberly Franklin

**MS Degrees Awarded in 2008/2009:** 1

- Summer 2008 - Alexander Swanson

**Awards Won By Students in 2008/2009:**
- P.E.O. International Peace Scholarship
- Achievement Rewards for College Scientists (ARCS), Phoenix Chapter
- BioMe Fellowship
- NSF IGERT in Comparative Genomics
- Galileo Circle Scholar Award, College of Science, competitive
- R.F. Chapman Prize, competitive
- Center for Insect Science Research and Travel Awards, competitive
- Herb Carter Travel Award, competitive
- Honorable Mention, NSF Graduate Research Fellowship Program 2009 award year

Note: Two students from the GIDP in Neuroscience have a minor in Insect Science. Awards won by these students include an NSF IGERT in Comparative Genomics, Center for Insect Science Research and Travel Awards and Galileo Circle Scholar Award. The GIDP in insect Science underwent a successful merger with the graduate program in entomology and as of fall 2009 is now the **GIDP in Entomology and Insect Science**.
Neuroscience Graduate Interdisciplinary Program 2008/2009

Mission:
The University of Arizona offers a Ph.D. in Neuroscience through the Graduate Interdisciplinary Program in Neuroscience. The Program is designed to provide students with the knowledge and tools that they will need to embark on careers as educators and researchers in the field of neuroscience. Students participate in designing their own individually tailored programs that provide a thorough base of knowledge in the many facets of neuroscience as well as depth in chosen areas of specialization, and that enhance their abilities to think creatively and express themselves clearly. Because of the breadth of expertise represented by the faculty, students have access to educational and research training opportunities in areas ranging through molecular, cellular, systems, behavioral, cognitive, theoretical, and clinical neuroscience.

Inception Date: 1988

Total Faculty: 45

Faculty by College:
- Engineering - 1
- Medicine - 22
- Pharmacy - 1
- Science - 20
- Social & Behavioral Sciences - 1

Total Faculty Research Expenditures: >$20.0 million

Total Students:
- Ph.D.: 25

Training Grant Resources: Predoctoral Training Program in Neuroscience, renewal pending

Other Sources of Funding for Students:
- Assistantships: 14
- SFAZ: 4
- GRS/GTS: 11

Ph.D. Degrees Awarded in 2008/2009: 9

Total Degrees Awarded since Inception: 54 Ph.D., 8 M.S.

Awards Won By Students in 2008/2009:
- Total Awards: 16
  - IGERT Fellowship: Dave Andrew
  - NSF Fellowship: Clayton Mosher
  - NRSA Fellowship: Bethany Jones, Joshua Martin, Penny Dacks, Sara Burke, Jonathan Dyhr
  - BioME Fellowship: Stuti Jaiswal
  - ARCS Fellowship: David Andrew, Penny Dacks
  - SfN Travel Award: Penny Dacks
  - Herbert Carter Travel Award: Nadia Corral-Frias, Lan Hoang, Penny Dacks, David Andrew, Zaneta Navratilova
• **Physiological Sciences Graduate Interdisciplinary Program 2008/2009**

**Mission:** The primary mission of the Physiological Sciences Interdisciplinary Graduate Program (PSGIDP) is to train scientists in areas of physiology ranging from cellular and molecular, to systems and integrative.

**Inception Date:** GIDP Established 1989; Took over the MS in EXSS in 1997

**Total Faculty:** 66

**Faculty by College:**
- Agriculture: 7
- Medicine: 51
- Nursing: 1
- Pharmacy: 2
- Science: 5

**Total Faculty Research Expenditures:** $17.7 million

**Total Students:**
- Ph.D.: 28
- MS: 27

**Training Grant Resources:**
- Graduate Training in Systems and Integrative Physiology-Dedicated to the Physiological Sciences GIDP Funded through 6/30/12. (P.I. Hoyer, Physiology)
- Graduate Training in Cardiovascular Physiology – Supports 3 PSGIDP Trainees per year Funded through 5/31/12. (P.I. Burt, Physiology)

**Other Sources of Funding for Students:**
- Research Assistantships: 7
- SFAZ: 3
- GRS/GTS: $62,648
- Sarver Endowed Fellowship: $26,000
- North American Research Conference Trainee Travel Award
- Subhashini Srinivasan – Herb Carter Travel Award
- Laura Wright – North American Research Conference Trainee Travel Award

**Ph.D. Degrees Awarded in 2008/2009:** 6

**MS Degrees Awarded in 2008/2009:** 8

**Total Degrees Awarded since Inception:**
- Ph.D.: 69
- MS: 75

**Awards Won By Students in 2008/2009:**

**Extramural Awards won by Students:**
- Bethzaida Astorga – NIH National Research Service Award (2009-10)
- Zelieann Rivera Craig – American Physiological Society Porter Fellow
- Jennifer Fang – American Heart Association Student Fellowship
- Kyle Flann – Achievement Award for College Scientists (ARCS)
- Katherine Lindborg – Achievement Award for College Scientists (ARCS)
- Ann Revill – Achievement Award for College Scientists (ARCS)
- Jennifer Schaefer – BIOMe Fellow
- Laura Wright – NIH National Research Service Award; Herb Society of American Inc, Res. Grant ($5000 research supplies)
- Also awarded 3 SFAz Awards, Tony Macko, Greg Powell, Subhashini Srinivasan

**Travel Awards**
- Zelieann Rivera Craig - APS NIDDK Minority Travel Fellowship
- Jenn Fang – Herb Carter Travel Award; GPSC Travel Grant
- Chris Geffre (M.D/ Ph.D. student) – Herb Carter Travel Award
- Miranda Good – GPSC Travel Grant
- Subhashini Srinivasan – Herb Carter Travel Award
- Laura Wright- North American Research conference on Integrative Medicine Trainee Travel Award; American...
Remote Sensing & Spatial Analysis Graduate Interdisciplinary Program 2008/2009

Mission:
The Committee on Remote Sensing and Spatial Analysis was formed in 1975 to assist coordination of remote sensing activities across campus and to oversee the graduate remote sensing minor program. In 1995, the purview of the Committee was expanded to perform a similar function in the related fields of spatial analysis and geographic information systems. The mission of the program is to provide students an interdisciplinary and academic environment, in which they examine and apply earth observing systems, tools and technologies, and spatial analysis techniques and approaches in an integrated manner to the benefit of biological, physical, and social sciences and society. The program also promotes and facilitates national and international collaborative research. The Graduate Interdisciplinary Program in Remote Sensing and Spatial Analysis (RSSA) offers a Ph.D. minor for students that are interested in acquiring a broader specialization in geographic information science and fundamental and applied remote sensing science that is not available in their PhD major.

Total Faculty: 20

Faculty by College:

- Agriculture & Life Sciences - 8
- Eller - 1
- Engineering - 4
- Optical Sciences - 1
- Science - 2
- Social & Behavioral Sciences - 4

Total Faculty Research Expenditures: $4.7 million

Total Students:

- Ph.D. We are a Ph.D Minor only program

Training Grant Resources: N/A

Other Sources of Funding for Students:
Remote Sensing and Spatial Analysis Faculty provides numerous Graduate Research Assistantships using extramural funding sources

Ph.D. Minor Degrees Awarded in 2008/2009: 8

Total Degrees Awarded since Inception:
Ph.D. minor: More than 150 students are estimated to have graduated with a minor in Remote Sensing and Spatial Analysis since 1975.

Awards Won By Students in 2008/2009:
- NCAR Center for Capacity Building (CCB) Research Award
- NASA’s Goddard Space Flight Center Travel Award
- NASA LCLUC Science Team and GOFC-GOLD/NERIN Travel Grant
- NASA Space Grant Consortium Graduate Fellowship
- Goddard Earth Sciences and Technology Center (GEST) Award - Graduate Student Summer Program
- AAG Remote Sensing Specialty Group: Graduate Student Honors Paper Award
- Association of Pacific Coast Geographers Travel Grant
- AAAS/Science Program for Excellence in Science
- NSF Doctoral Dissertation Research Improvement Grant
Second Language Acquisition & Teaching Graduate Interdisciplinary Program
2008/2009

Mission:
The mission of the Interdisciplinary Ph.D. Program in Second Language Acquisition and Teaching (SLAT) is: (1) to provide rigorous and high quality graduate-level training for researchers, teachers, curriculum specialists, and administrators at all levels of instruction who are concerned with aspects of second language acquisition, learning, and teaching; (2) to facilitate scholarly communication and collaboration among faculty with different disciplinary traditions and identities at the University of Arizona who have expertise and interests in language acquisition, learning, and/or teaching; (3) to enhance the quality of undergraduate foreign language education at the U of A and other institutions; and (4) to provide outreach support to the community, state, and beyond in relation to social needs and policy issues concerning language learning and multilingualism.

The SLAT Program is central to the University mission in providing a graduate education program that meets designated criteria for excellence and can demonstrate promise for national and international distinction; in possessing faculty who have achieved national and international distinction for teaching, scholarship, and service activities; in providing services which are of particular relevance to regional multilingual settings; and in stimulating and coordinating interdisciplinary activities which are contributing to new knowledge in an emergent field and innovative developments in practical application.

Inception Date: First students admitted Spring 1991

Total Faculty: 90

Faculty by College:

- Education: 19
- Science: 2
- Humanities: 37
- Social & Behavioral Sciences: 32

Participating Faculty FY09 Research and Contract Expenditures: $4.8 million

Total Students:
- Ph.D.: 63
- MS: (No terminal master's degree– optional en route MA degree)

Training Grant Resources: None

Other Sources of Funding for Students:

- Associateships: $84,600.00 (matched by COH Foreign Language and English departments)
- $45,000 in Near Eastern Studies (SBS)
- $15,000 other RA positions as available in SBS
- GRS/GTS: $105,264
- GC Fellowship: $15,000
- GC Diversity Fellowship: $10,000
- SLAT RA (OVPR/GC): $20,703 (Two 0.50 FTE GRA positions)
- CERCLL: $24,000 three GRA positions at 0.25 FTE

Ph.D. Degrees Awarded in 2008/2009: 12

MS Degrees Awarded in 2008/2009:

Optional, en route Master of Arts degrees awarded for the first time in 2008/2009: 20

Total Degrees Awarded since Inception:
- Ph.D.: 122 (First awarded Fall 1993)
- M.A.: 20 (First awarded Fall 2008)

(Continued next page)
Continued from Page 15

• Second Language Acquisition & Teaching Graduate Interdisciplinary Program 2008/2009

Awards Won By Students in 2008/2009:
- Graduate College Diversity Fellowship – M’Balia Thomas, $10,000
- Arizona Scholars – M’Balia Thomas, $3,000
- SLAT Fellowship – M’Balia Thomas, $3,000
- Language Learning Dissertation Grant – Yi Xu, $2,000
- University of Arizona Graduate College Fellowship – Soomin Jwa, $15,000
- SBSRI research grants (multiple)
- Herbert E. Carter Travel Grants (multiple)
- SLAT Conference Travel Support (multiple)
- Outstanding Teaching Assistant Honorable Mention – Nadia Hamrouni
Statistics (STAT) GIDP Graduate Interdisciplinary Program 2008/2009

Mission:
Commencing full operations with its first class of graduate students in the Fall of 2008, the GIDP in Statistics focuses and enhances statistical training and research across the UA campus. For a small GIDP, the Program faculty hail from an intriguing number and variety of campus units, and boast a diverse spectrum of research interests; this diversity fuels an intellectually stimulating atmosphere in which modern statistical research is developed and put directly into practice. The GIDP in trains active and creative researchers and practitioners who will work at the forefronts of modern scientific study, and who will develop practical, innovative statistical techniques to advance the associated subject matter. In addition, the Program sponsors or co-sponsors a variety of seminars, colloquia featuring distinguished invited speakers, special lecture series, workshops, and short courses on both basic and advanced interdisciplinary statistics.

Inception Date: 2006

Total Faculty 2008/2009: 43

Faculty by College 2008/2009:

<table>
<thead>
<tr>
<th>College</th>
<th>Faculty</th>
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<tbody>
<tr>
<td>Agriculture &amp; Life Sciences</td>
<td>7</td>
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<tr>
<td>Education</td>
<td>2</td>
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<td>Eller Coll. of Management</td>
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<td>Law</td>
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<td>Medicine</td>
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<tr>
<td>Public Health</td>
<td>6</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td>8</td>
</tr>
<tr>
<td>Science</td>
<td>13</td>
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<td>OVPR</td>
<td>2</td>
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</tbody>
</table>

Participating Faculty FY09 Research and Contract Expenditures: $4.8 million

Total Students 2008/2009:

<table>
<thead>
<tr>
<th>Degree Level</th>
<th>Number</th>
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<tbody>
<tr>
<td>Ph.D.</td>
<td>3</td>
</tr>
<tr>
<td>MS</td>
<td>0</td>
</tr>
<tr>
<td>Graduate Certificate</td>
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</table>

Training Grant Resources: The Statistics GIDP participates in
T32ES016652—"Human Disease and the Interplay Between Genes and the Environment (HuGER)"
and
DGE-0841234—"Graduate Students and Teachers Engaging in Mathematical Sciences (GK-12)"
but currently has no students funded by these grants.

Other Sources of Funding for Students:

<table>
<thead>
<tr>
<th>Type</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Assistantships</td>
<td>$35,584 for 2 GRAs; $8,896 for 1 GTA</td>
</tr>
<tr>
<td>GRS/GTS</td>
<td>$4,143</td>
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</tbody>
</table>


MS Degrees Awarded in 2008/2009: 0 (anticipated by 2014: 3-5/AY)

Graduate Certificates Awarded in 2008/2009: 3

- Awards Won By Students in 2008/2009: Mr. John S. Bear received the inaugural First-Year Student Award in Statistics, recognizing superior academic achievement by a Statistics graduate student completing her/his first year.
<table>
<thead>
<tr>
<th>Major Code</th>
<th>Degree Code</th>
<th>Major Name</th>
<th>Level</th>
<th>Resource College</th>
<th>Unit that confers degree</th>
<th>Dept. that manages the program</th>
<th>ABOR Approved Date</th>
<th>Effective Date</th>
<th>ABOR Delete Date</th>
<th>End Date</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>CPLL</td>
<td>MA</td>
<td>Comparative Literature &amp; Literary</td>
<td>G</td>
<td>Graduate College</td>
<td>Graduate College</td>
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<td>874</td>
<td>6/12/1992</td>
<td>923</td>
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<td>CPLT</td>
<td>PhD</td>
<td>Comparative Literature &amp; Literary Theory</td>
<td>D</td>
<td>Graduate College</td>
<td>Graduate College</td>
<td>Graduate Committee on Comparative Literature &amp; Literary Theory</td>
<td>2/20/1987</td>
<td>874</td>
<td>6/12/1992</td>
<td>923</td>
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<tr>
<td>EPI</td>
<td>MS</td>
<td>Epidemiology</td>
<td>D</td>
<td>College of Public</td>
<td>Graduate College</td>
<td>Division of Epidemiology and Biostatistics</td>
<td>6/19/2003</td>
<td>034</td>
<td></td>
<td></td>
<td>Transfers from a GIDP to the College of Public Health 6/19/2003. Last term of admit was Summer Session 2 2003.</td>
</tr>
<tr>
<td>EPI</td>
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<td>G</td>
<td>Graduate College</td>
<td>Graduate College</td>
<td>Committee on Epidemiology</td>
<td>2/22/1991</td>
<td>914</td>
<td>6/19/2003</td>
<td>033</td>
<td>Transfers from a GIDP to the College of Public Health 6/19/2003. Last term of admit was Summer Session 2 2003.</td>
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<tr>
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<td>D</td>
<td>College of Public</td>
<td>Graduate College</td>
<td>Division of Epidemiology and Biostatistics</td>
<td>6/19/2003</td>
<td>034</td>
<td></td>
<td></td>
<td>Transfers from a GIDP to the College of Public Health 6/19/2003. Last term of admit was Summer Session 2 2003.</td>
</tr>
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<td>Epidemiology</td>
<td>D</td>
<td>Graduate College</td>
<td>Graduate College</td>
<td>Committee on Epidemiology</td>
<td>2/22/1991</td>
<td>914</td>
<td>6/19/2003</td>
<td>033</td>
<td>Transfers from a GIDP to the College of Public Health 6/19/2003. Last term of admit was Summer Session 2 2003.</td>
</tr>
<tr>
<td>GERO</td>
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<td>Graduate College</td>
<td>Graduate Interdisciplinary Committee on Gerontology</td>
<td>4/18/1994</td>
<td>841</td>
<td></td>
<td></td>
<td>Gerontology major for the M.S. degree (4/18/94) Gerontology MS Graduate changed to Gerontology MS Nursing 4/7/2004</td>
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<tr>
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<td>College of Medicine</td>
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<td>Dept. of Physiology</td>
<td>1/17/1976</td>
<td>764</td>
<td>1/6/1989</td>
<td>893</td>
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<td>Level</td>
<td>Resource College</td>
<td>Unit that confers degree</td>
<td>Dept. that manages the program</td>
<td>ABOR Approved Date</td>
<td>Effective Date</td>
<td>ABOR Delete Date</td>
<td>End Date</td>
<td>Notes</td>
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<tr>
<td>OPTI</td>
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<td>Optical Sciences Committee</td>
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<td>674</td>
<td>4/28/2005</td>
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<td>Transferred to the College of Optical Sciences effective 4/28/2005.</td>
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<td>4/28/2005</td>
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<td>Transferred to the College of Optical Sciences effective 4/28/2005.</td>
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<td></td>
<td>PhD minor</td>
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<td>Environment and Behavior GIDP minor was deleted 4/1/1994. Do not know when established.</td>
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<tr>
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<td>History and Philosophy of Science Minor</td>
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<td>College of Liberal Arts</td>
<td>Graduate College</td>
<td>Committee on History and Philosophy of Science</td>
<td>02/12/1977</td>
<td>774</td>
<td>4/1/1994</td>
<td>941</td>
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<tr>
<td>COSE</td>
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<td>Computational Science Engineering</td>
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<td>Graduate College</td>
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<td>Graduate Interdisciplinary Committee</td>
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<tr>
<td></td>
<td>PhD minor</td>
<td>Medieval Studies Minor</td>
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<td>Graduate College</td>
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<td>574</td>
<td>1967</td>
<td>673</td>
<td>Ended with the establishment of the PhD with a major in Geochronology.</td>
<td></td>
</tr>
</tbody>
</table>
For more information go to:
http://gidp.arizona.edu

Phone: 520-621-8368
Fax: 520-621-8367
Admin. Bldg., Rm 303