

# IOWA STATE UNIVERSITY

## Graduate and Professional Programs at Iowa State

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# Graduate Programs

- Graduate Division Est. 1913
- 81 Ph.D. (15 interdisciplinary)
- 112 master's (20 interdisciplinary; 25 online/distance)
- 45 graduate certificates (24 online/distance)
- 13 independent minors
- Enrollment typically 45% Ph.D.; 45% master's; 10% non-degree



# Diverse Programs, Contexts, Stakeholders

- Ph.D. – research focus, new knowledge
  - Basic disciplinary research; fundamental discovery
  - Basic interdisciplinary research
  - Applied research; new knowledge with targeted application
- Master's – deeper understanding; new applications of existing research
  - Thesis; creative component/project; coursework only
- Certificate – deeper sub-discipline understanding

# Graduate Enrollment and PhDs

## Fall Enrollment

College	2008	2014	Change
CALS	628	730	16%
Business	282	246	(13%)
Design	128	223	74%
Engineering	963	1266	24%
CHS	683	773	13%
LAS	1163	1162	-
IDGP	552	410	(26%)
Vet. Med.	85	140	65%
Total	4484	4950	10%
Post-doc	234	297	22%

## Ph.D. Degrees Awarded

College	2008-2010 Average	2011-2013 Average	Change
CALS	25	34	36%
Engineering	76	85	12%
CHS	56	73	30%
LAS	96	110	15%
IDGP	49	52	6%
Vet. Med.	7	7	-
Total	308	361	17%

# GPSS and Post-doc Association

- Collaborative Initiative Development
- Engaged and Constituency Focused Leadership
- Program Initiation and Development
- Important Constituency Advocates
- Substantial Advice on Graduate College Priorities
- Representation on Graduate Council



# Graduate and Post-doc Experience Enhancement

- Bridge funding for the arrival of children (FY 2014)
- Professional development and program quality coordinator position
- Professional Development Funding
- Graduate student learning communities, plans for roommate connection tools
- Enhanced programming for new graduate students and post-docs (with GPSS and PDA)
- Improved electronic application and admission processes

# Graduate Student Success

- AAU Standard Data Collection and Analysis
  - Exit Survey
  - Doctoral Completion
  - Doctoral Time to Degree
- Post Degree Success Data Analysis
- Graduate Student Debt
- Graduate Student Retention and Completion
- Systematic Approaches to Annual Progress Assessment

# AAU Ph.D. Exit Survey

- Standard data on graduates satisfaction with program
- Currently 24 AAU universities participate
- 94% of ISU (vs. 81% nationally) report being treated with respect by faculty
- 80% of ISU (vs. 63% nationally) report advising by their mentor is excellent or very good
- 70% of ISU (vs. 56% nationally) report receiving mentoring from a second faculty member
- 80% of ISU (vs. 70% nationally) rated their overall satisfaction as excellent or very good
- ISU graduates more likely to recommend ISU and their doctoral program than nationally

# Employment and Further Education of Graduates

6 Months Post-Graduation for Fall 2012, Spring 2013, Summer 2013

College	Resp.	Masters	Masters Emp. in IA	PhD	PhD Emp. In IA
CALS	98%	98%	51%	97%	47%
Business	84%	95%	80%		
Design	87%	100%	42%		
Engineering	77%	100%	37%	94%	16%
Human Sciences	94%	97%	68%	100%	68%
LAS	91%	92%	46%	96%	41%
Vet Med	100%	100%	63%	100%	71%
Grad. College	88%	97%	55%	97%	43%
Total					

# Boeing LEAN project

- Transformed Program of Study, Program of Study Committee selection into electronic processes
- Reduced cycle time from 252 to 26 days; touch time from 11 to 2 hours; and eliminated 80% of steps
- New system automatically links to class registration, student and faculty databases, and reflects program requirements
- Total savings of \$325,000/year in employees' time

