

CGS MS Degree Completion and Attrition Project

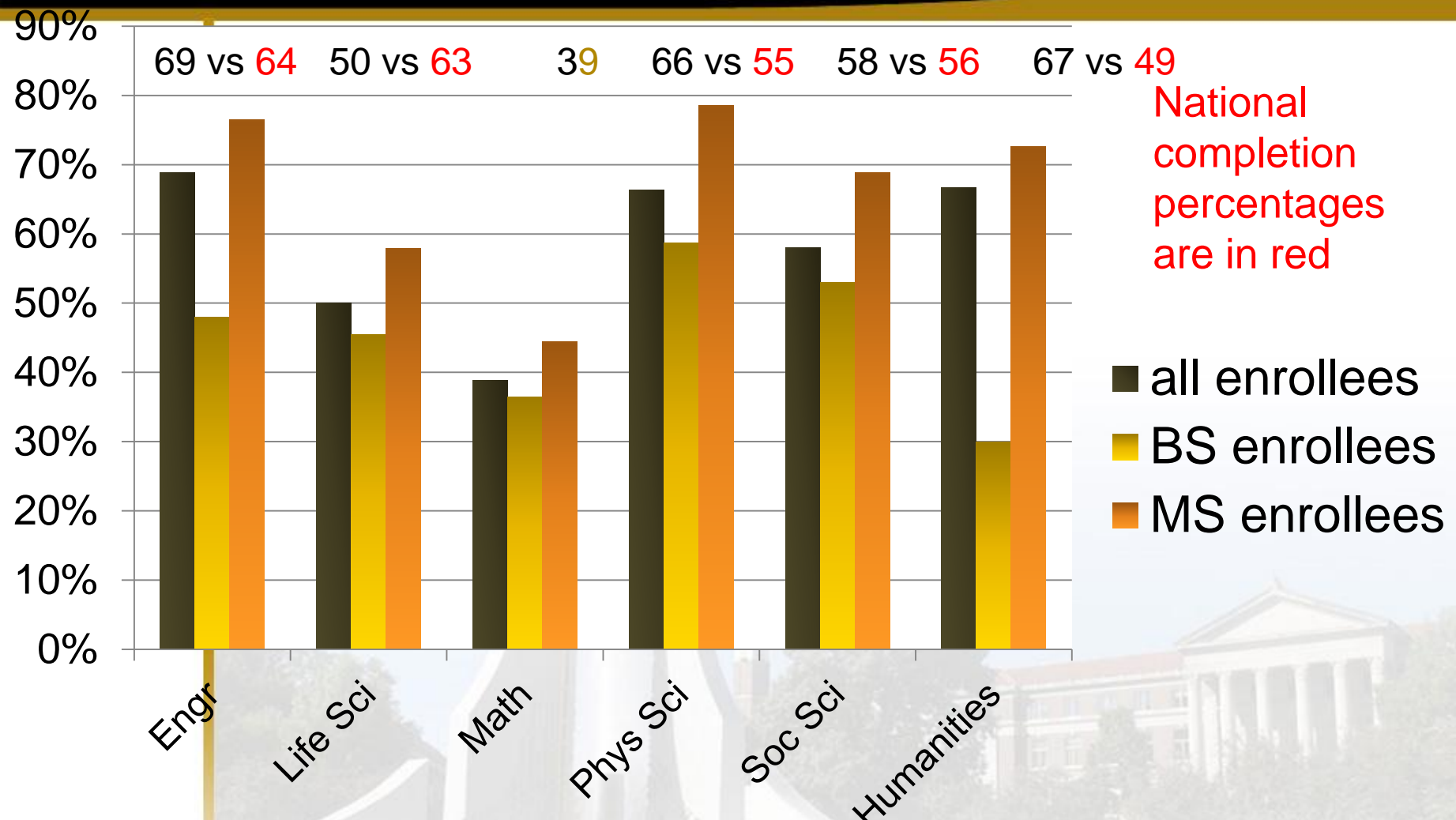
December 6, 2012

Purdue University



CGS Completion Projects: PhD project 2010 MS degree project 2012

- Program Survey
 - Fall 2010 Enrollments, Program Requirements
- Survey of new entering students
 - Fall 2011 new students, Why enrolled, Concerns
- Student Exit Survey
 - Fall 2011 and Spring 2012 graduates, likes, dislikes
- Completion Data
 - 2003 – 2011 Enrolled Students, Attrition, Prior Degree, UGPA



PhD Enrollee Completion by Broad Discipline

Average for cohorts starting 95-99, ending 2009.

CGS Completion Projects: PhD project 2010 MS degree project 2012

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Program Survey – Demographics

College	Program	Degree	Women	Men
Management	Masters of Business Administration	M.B.A.	47	165
Engineering	Interdisc Engr-MSE	M.S.E.	41	110
Engineering	Civil Engr-MS-CE	M.S.C.E.	38	109
Technology	Technology-MS	M.S.	33	121
Agriculture	Agricultural Econ-MS	M.S.	31	53
Technology	Wkend Masters Prg in Tech-MS	M.S.	30	81
Engineering	Elect Comp Engr-MS-ECE	M.S.E.C.E.	29	125
Engineering	Aero Astro Engr-MS-AAE	M.S.A.A.E.	28	131
Management	Org Behav & HR Mgmt-MS	M.S.	26	17
Science	Statistics-MS	M.S.	22	23

42 STEM programs
 Fields: degree, men/women
 domestic/int'l, credit hours
 race/ethnicity.

	NUMBER OF CREDIT HOURS REQUIRED FOR DEGREE				
	30	32	33	36	Total
Agriculture	4	0	3	1	8
Engineering	13	0	1	0	14
Interdisciplinary	3	1	0	0	4
Liberal Arts	1	0	0	2	3
Management	1	0	1	0	2
Science	5	0	0	0	5
Technology	3	0	2	0	5
Vet Medicine	1	0	0	0	1
Total	31	1	7	3	42

College	Program	Degree	International	Domestic
Management	Masters of Business Administration	M.B.A.	99	113
Engineering	Elect Comp Engr-MS-ECE	M.S.E.C.E.	89	65
Engineering	Mech Engr-MS-ME	M.S.M.E.	62	126
Engineering	Civil Engr-MS-CE	M.S.C.E.	53	94
Science	Computer Science-MS	M.S.	49	8
Engineering	Aero Astro Engr-MS-AAE	M.S.A.A.E.	41	118
Engineering	Indust Engr-MSIE	M.S.I.E.	39	15
Technology	Technology-MS	M.S.	29	125
Agriculture	Agricultural Econ-MS	M.S.	26	58
Science	Statistics-MS	M.S.	25	20

Entering Student Survey Statistics

- 73% are Male
- 65% never married (35% married)
- 70% have a working spouse
- 78% have no dependents
- 56% are under 25
- 58% are U.S Citizens
- 83% are White
- 80% are Full-time students

Why do entering students enroll?

To meet requirements of employer

To learn more about something I'm interested in

To meet requirements of prospective employer

To facilitate a job/career change

To improve my skills and knowledge

Stepping stone for additional education

Increase opportunities for promotion

Why do entering students enroll?

- | | | |
|---|-----|---|
| 8 | 7% | To meet requirements of employer |
| 2 | 63% | To learn more about something I'm interested in |
| 6 | 12% | To meet requirements of prospective employer |
| 5 | 15% | To facilitate a job/career change |
| 1 | 88% | To improve my skills and knowledge |
| 4 | 39% | Stepping stone for additional education |
| 3 | 53% | Increase opportunities for promotion |

New entering students

- **50%** not working for pay
- **61%** working 30 or more hours per week
- **33%** are guaranteed support for more than one year
- **65%** did not have to borrow loans for grad school
- **18%** concerned about ability to finance graduate education

~~New entering students~~ — **Exit survey students**

- ~~50%~~ **47%** not working for pay
- ~~61%~~ **57%** working 30 or more hours per week
- ~~33%~~ **36%** are guaranteed support for more than one year
- ~~65%~~ **57%** did not have to borrow loans for grad school
- ~~18%~~ — ~~concerned about ability to finance graduate education~~
- **50%** found financing their education challenging

What do you most like about the Purdue programs

Location

Facilities

Faculty

Distance Learning

Reputation

Flexibility

Department Culture

Coursework

What do you most like about the Purdue programs

- 8% Location
- 2% Facilities
- 9% Faculty
- 8% Distance Learning
- 8% Reputation
- 22% Flexibility
- 15% Department Culture
- 11% Coursework

New entering students

- **74%** had no major life event in past 12 months
- **66%** attended their program's orientation
- **92%** were satisfied or very satisfied with teaching quality
- **77%** have an advisor
- **72%** expect advisor to provide regular feedback

~~New entering students~~ **Exit survey students**

- ~~74%~~ **30%** had no major life event in past 12 months
- ~~66%~~ **55%** attended their program's orientation
- ~~92%~~ **94%** were satisfied or very satisfied with teaching quality
- ~~77%~~ **90%** have an advisor
- ~~72%~~ **expect advisor to provide regular feedback**
 - **84%** found advisor feedback to be useful
 - **76%** thought advisor was helpful in supporting career goals
 - **89%** were satisfied with career advising

Exit Survey – Completion Factors

What Helped You Complete the Program	Not At All	Small Extent	Moderate Extent	Great Extent
Financial support from the institution or program	32%	13%	6%	39%
Supportive faculty	11%	20%	41%	27%
Student loans	44%	5%	7%	22%
My advisor	20%	23%	25%	29%
Program structure	9%	29%	41%	20%
Motivation and determination	1%	5%	23%	70%
Family support (non-financial)	7%	15%	23%	52%
Peer Support	14%	22%	33%	28%
Institutional or program support	30%	32%	22%	7%
Financial support from employer	23%	7%	8%	21%
Supportive employer	17%	15%	14%	17%
Quality of teaching	3%	28%	44%	24%
Being a full-time student	8%	6%	21%	48%
Other (N = 101)	4%	1%	1%	5%
Ns ranged from 149 - 151				

Entering/Exit Survey – Concerns

Entering Student Survey

Have Concerns	Frequency	Percent
No	144	71%
Yes, occassionaly	47	23%
Yes, frequently	12	6%
Total	203	

Exit Student Survey

Concern	Frequency	Percent
Yes, frequently	17	11%
Yes, occassionaly	56	37%
No	80	52%
Total	153	

Exit Survey – Financial Loans

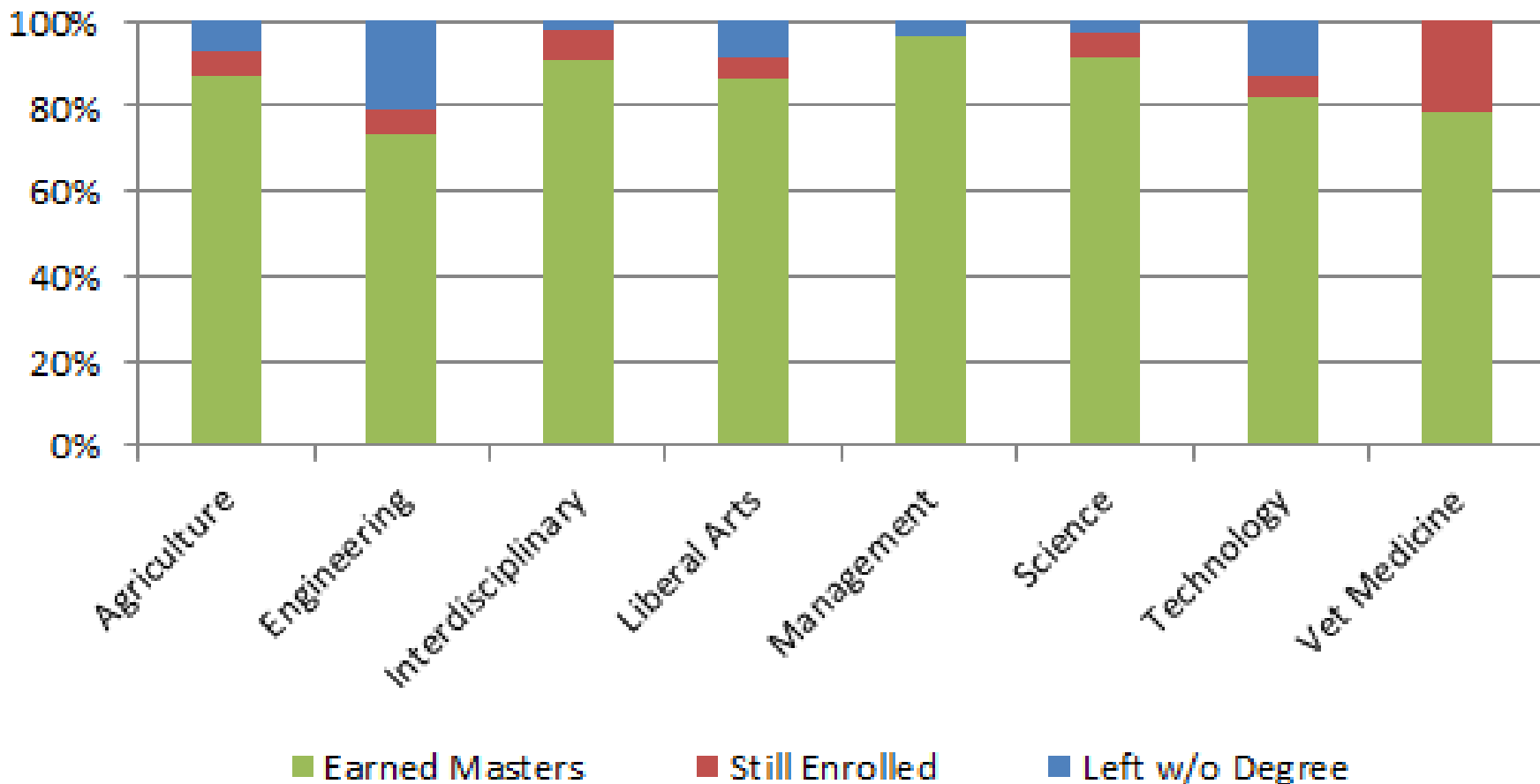
Loans Borrowed For Undergraduate Degree	Frequency	Percent
None	88	56%
\$1 - \$5,000	12	8%
\$5,001 - \$20,000	20	13%
\$20,001 - \$50,000	28	18%
\$50,000 and above	9	6%
Total	157	

Loans Borrowed For Graduate Degree	Frequency	Percent
None	90	57%
\$1 - \$5,000	9	6%
\$5,001 - \$20,000	25	16%
\$20,001 - \$50,000	19	12%
\$50,000 and above	15	10%
Total	158	

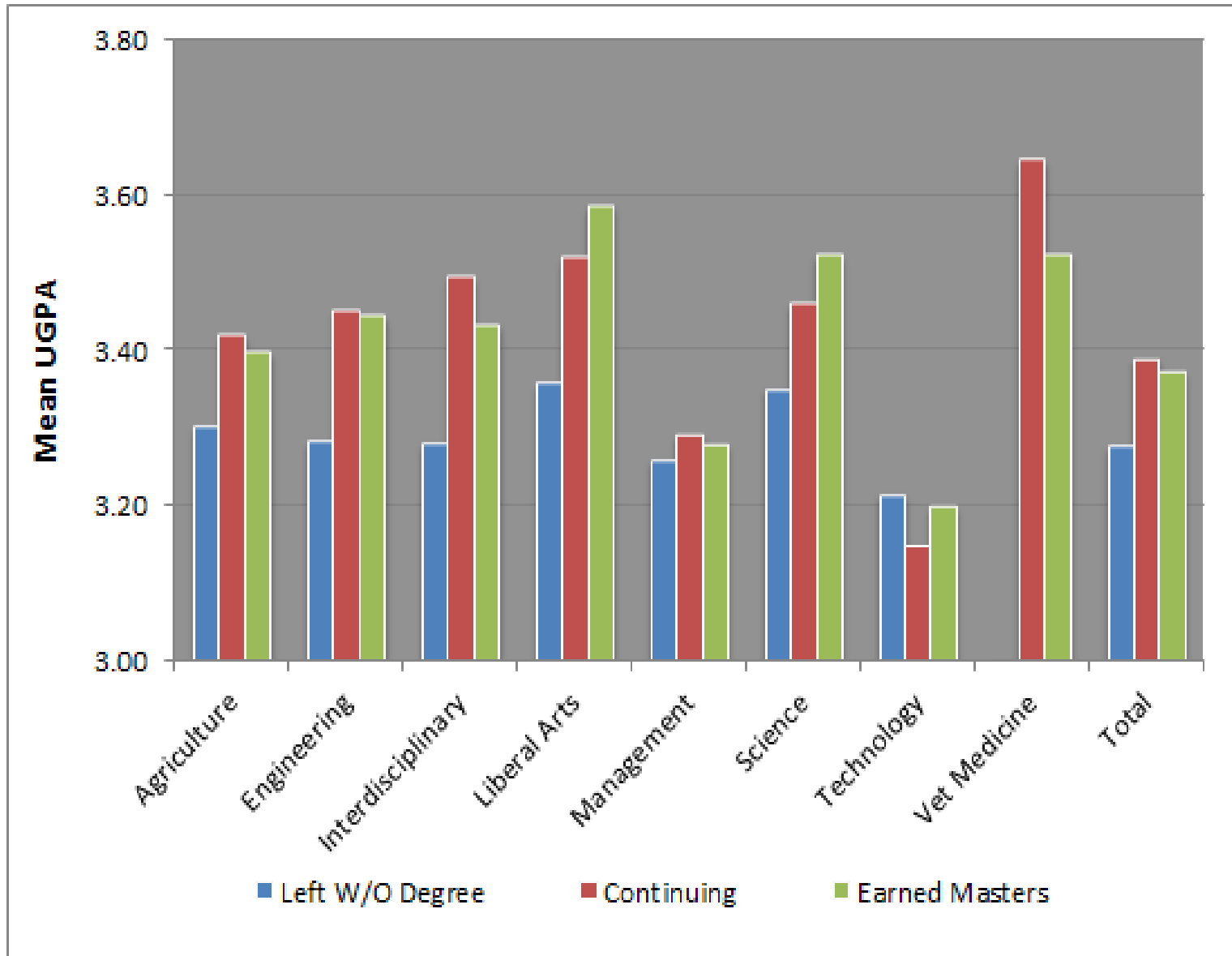
Completion Data



Master's Retention by College: 2003 - 2008



Average Undergraduate GPA

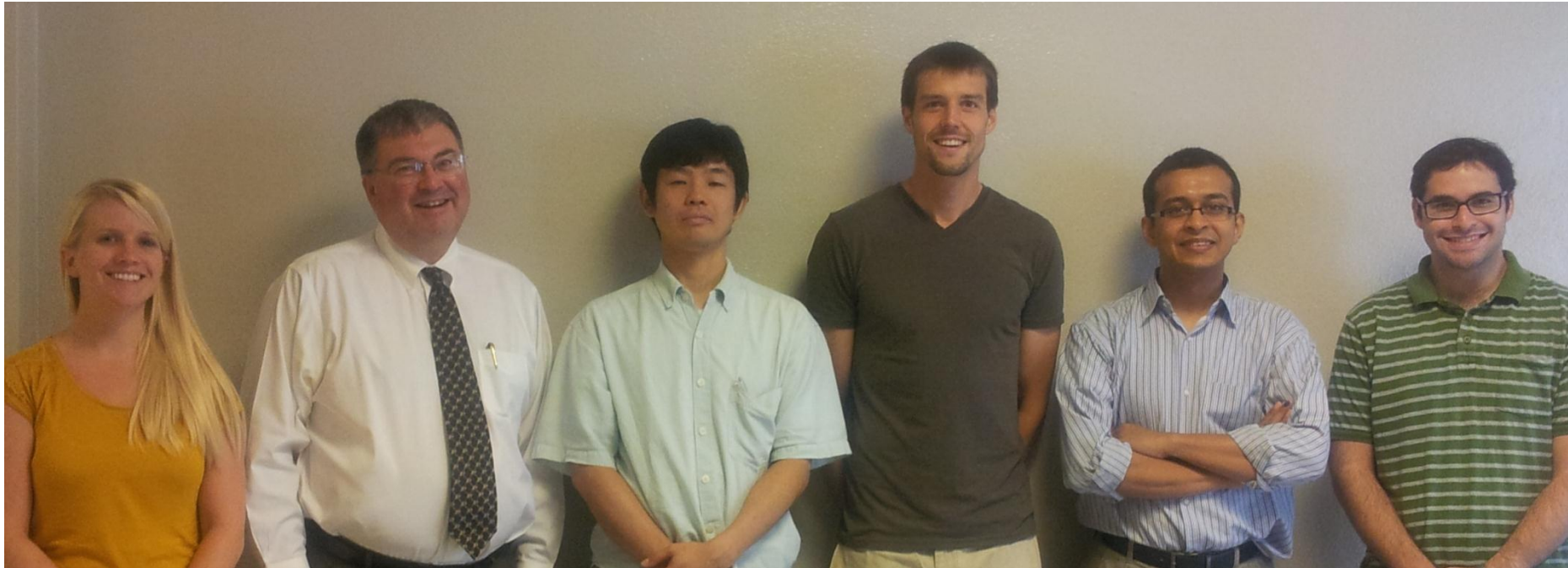


Interventions

Mentoring Workshop

- Overview of the Graduate School
- The role of a mentor
- Helping students become good teachers
- Graduate student success
- Helping students become good scholars

Report completion data to dept heads
and deans



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Peer Ombudsman Program