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MOTIVATION

IF A PRETTY POSTER AND A CUTE SAYING ARE ALL IT TAKES TO MOTIVATE YOU,
YOU PROBABLY HAVE A VERY EASY JOB. THE KIND ROBOTS WILL BE DOING SOON.

CoSEA Fall 2012 Meeting

August 23, 2012

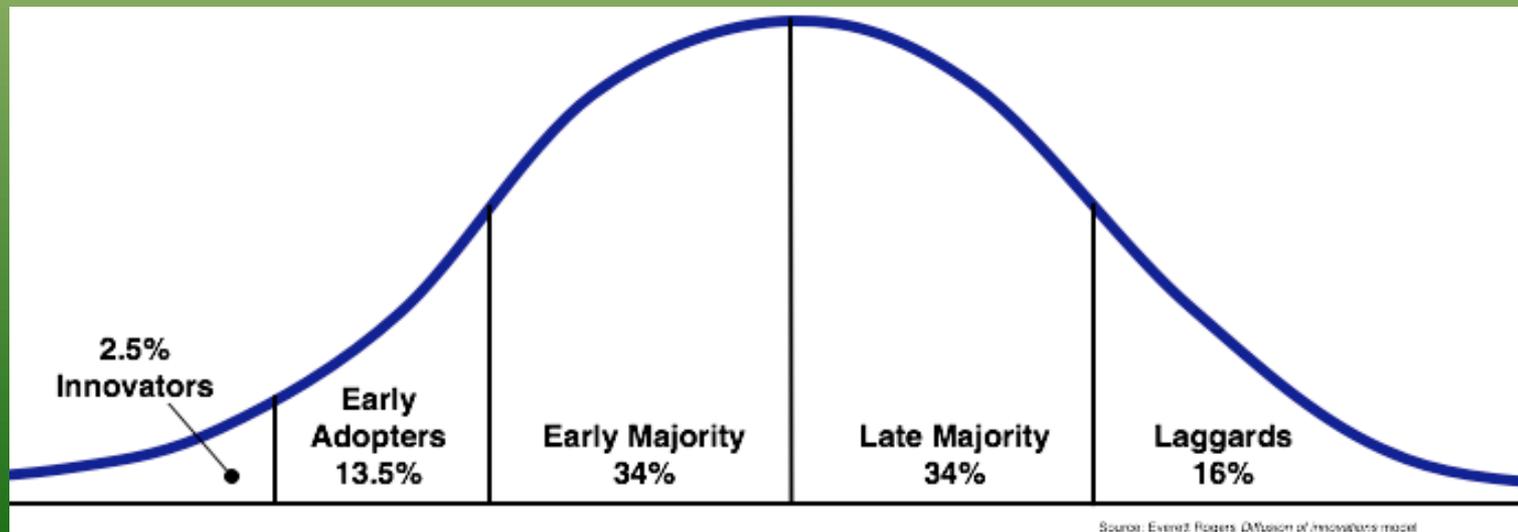
Welcome Back
Innovators



CoSEA Fall 2012 Meeting

Innovation & Discovery

- Reunion Reminders & Welcomes
- Metrics and the *mission-driven life*
- Allan, Bukuo, Choi, Darla, Eddie, Jacqueline, Jinh, Joy, Karen, Leah, Matt, Nilo, Thomas, Tingxiu, Toby, Unal, Will



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Who we are...Gesalts and Paradigms

- Egalitarian mission-driven operations
- Service-oriented attitude
- You hear it, you own it
- Continuous Focus on SACS (*the 2014 mirage*)
- Data-intensive assessment and evaluation
- Transparency
- Supportive of your professional career
- Merit-based philosophy emphasizing “more or less tangible academic products” (*Boyer’s Model of scholarship*)

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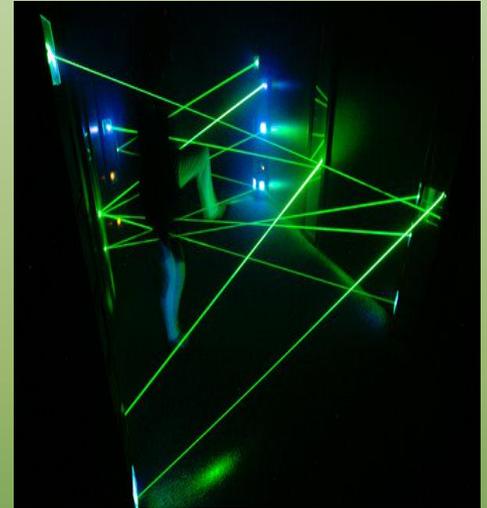
College Report Card 2011-2012:

- Produce a CoSEA mission aligned with TAMUC mission.
- Produce department missions aligned with CoSEA mission. *partial*
- Establish our fiscal status (e.g. adjuncts, GAs, HEF, IE, etc.).
- Tie budgets to vertically-integrated missions as a $f(\text{SACS}, 2014)$.
- Establish collegewide assessment program with Student Learning Outcomes (SLOs) for every credit-generating class. *partial*
- Generate a college logo (and gonfalon?).
- Produce [list-serves](#) for faculty, chairs, and staff.
- Post internal [college resource](#) page.
- Baseline data generation for budget, enrollment trends, assessment results AND responses.
- Multiyear class scheduling $f(\text{base year offerings})$

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- SACS Reaffirmation is here
 - *This is our snapshot year.*
- Site Visit: March 2014
- Your role?
 - Does your program have a mission and goals based on based on Innovation & Discovery?
 - Do you personally have control of your curriculum?
 - Have you *Closed the Loop* on Student Learning Outcomes?
 - Are your outcomes a f (programmatic mission and goals)?





DO or DO NOT,
There is no try

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- No More Objectives!
 - *Not what you want to try to do...*
- It's Outcomes!
 - What are they going to do?
 - What do your students know?
 - What are they able to do, or demonstrate, or be capable of after completion?
 - Have you measured the outcomes and responded to your own feedback? (Closing the Loop)



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Metrics: *The Dowling Report*

COLLEGE	DEPT	CREDIT HRS	FTE Faculty	Formula Faculty	Faculty Needed Based on Formula	Percent of Formula	Tenure/TT	Adjunct	TA
Science, Engineering & Ag	Agricultural Sciences	1,952	7	7.4	-0.4	105.7	5	4	1
	Biological & Environmental Sci	3,184	12	11.4	0.6	95.0	5	11	
	Chemistry	1,687	7.5	8.4	-0.9	112.0	4	3	2
	Computer Science & Info Sys	3,677	14	25.1	-11.1	179.3	9	9	
	Industrial Engineering & Tech	1,752	7.5	13.9	-6.4	185.3	6	2	
	Mathematics	6,104	19	18.4	0.6	96.8	8	11	5
	Physics	3,410	10.5	10.8	-0.3	102.9	5	9	
Science, Engineering & Ag	Total	21,766	78	95.4	-17.9	123.1	42	49	8
Texas A & M University-Commerce	Grand Total	106,618	423	494	-71	499	208	283	61

- CoSEA Performance: $\approx 18\%$ of the faculty generating $\approx 21\%$ of the TAMUC sch production and $\approx 24\%$ of all TAMUC formula funding.

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- Challenges:

- Nationwide decline in STEAM
- Coordinating Board shutting down what they call “Low-Producing Programs”

- 5 year rolling averages >

- Currently: UG = 5 / year, Grad = 3 / year

- Proposed: UG = 8 / year, Grad = 5/year



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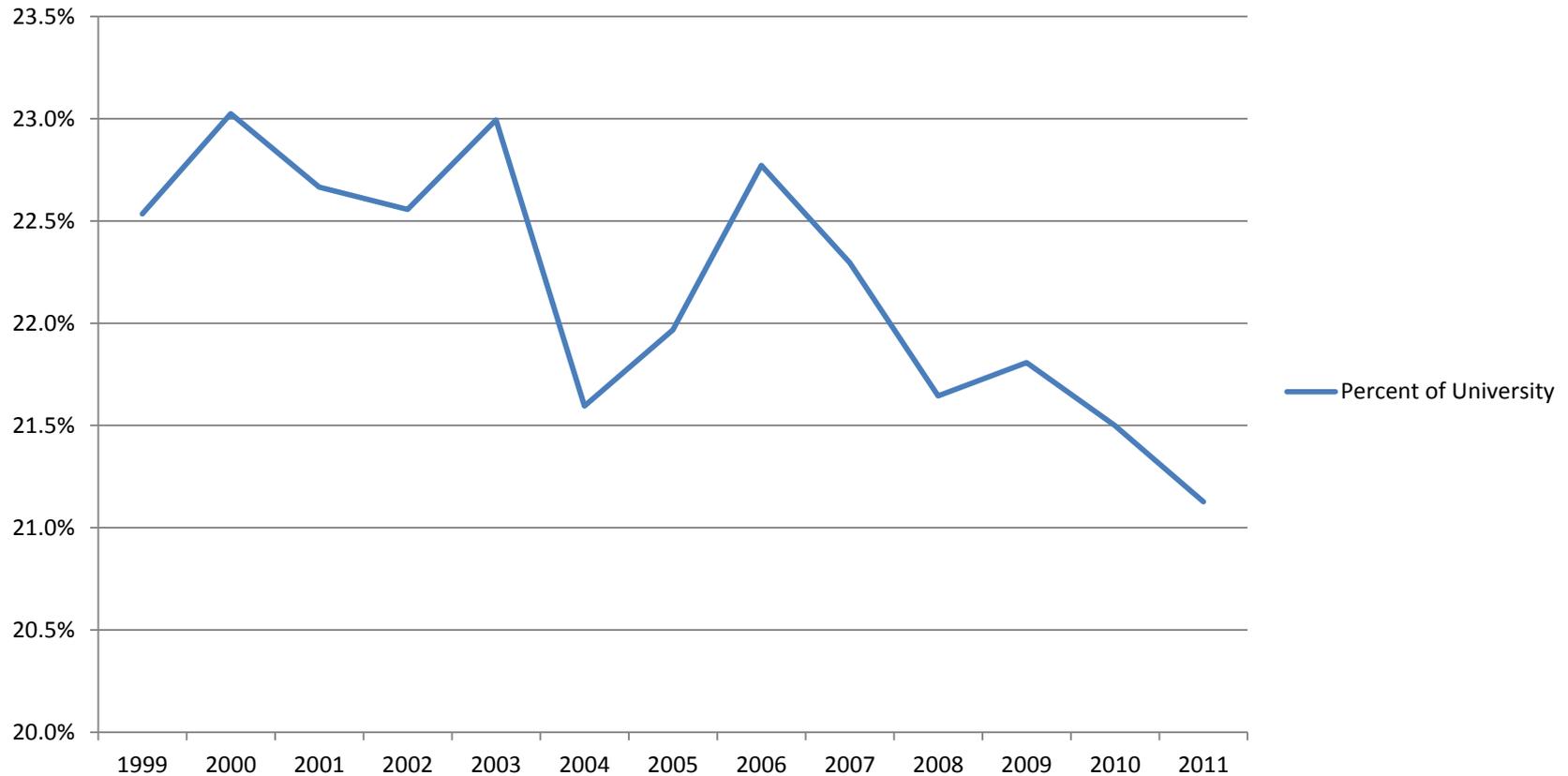


- CoSEA: MS degrees in Math, Physics, & Chemistry

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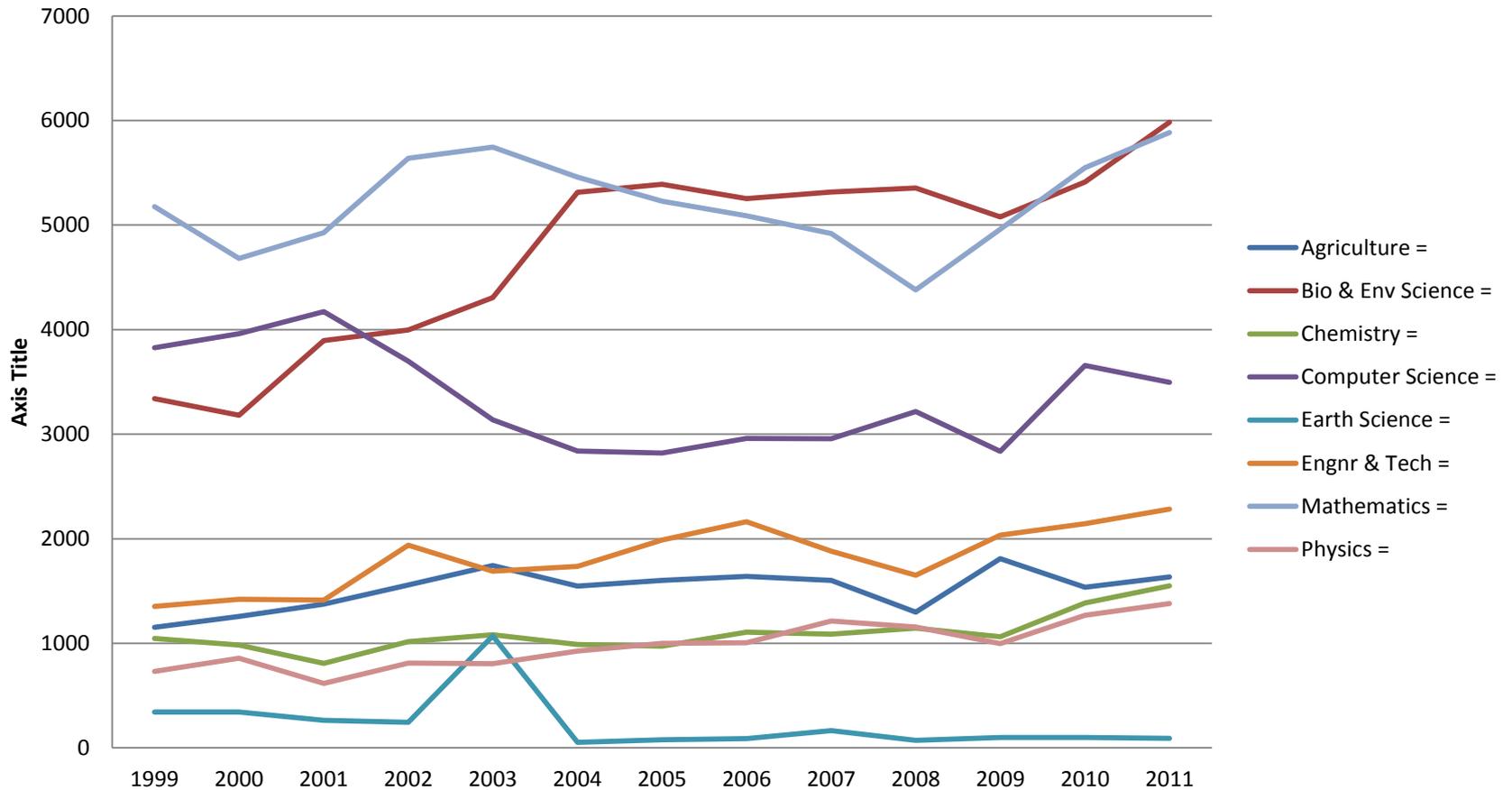
CoSEA Fall Credit Hour Production as a Percent of Total University Production



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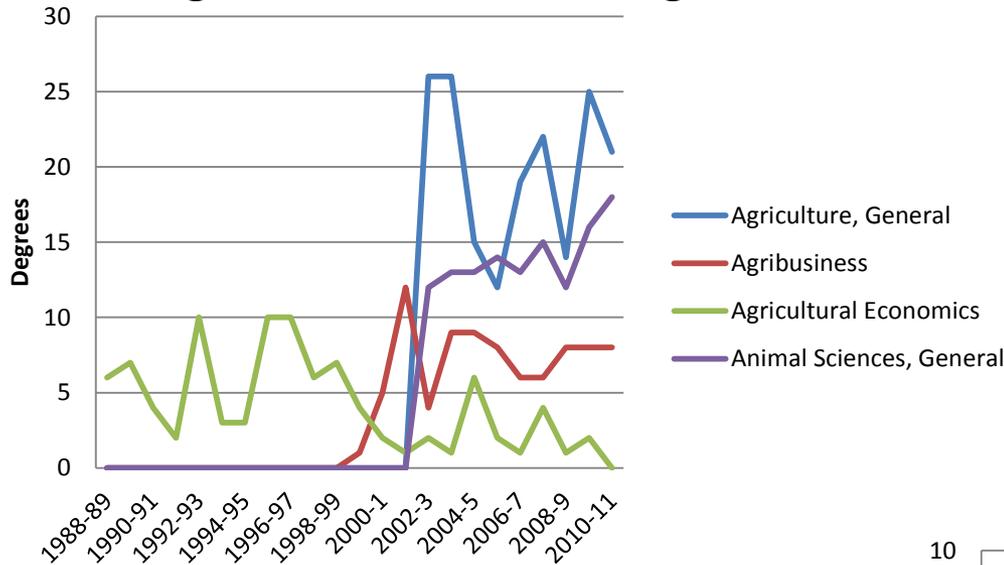
CoSEA Departments Fall Credit Hour Production



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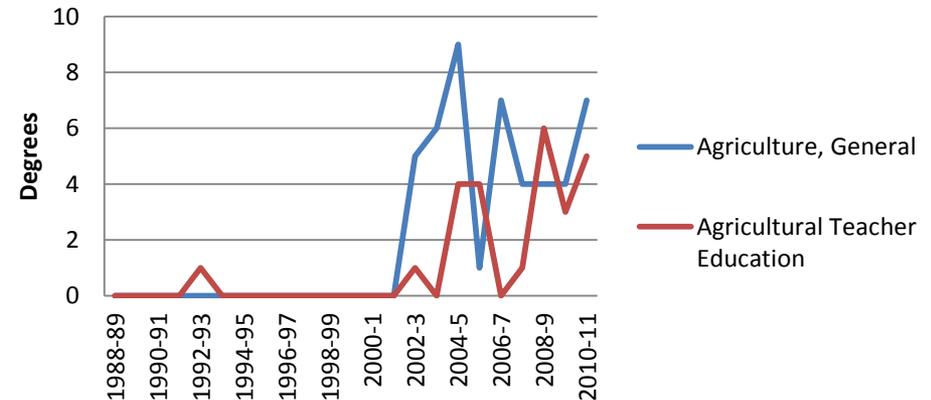
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Agriculture Bachelor's Degrees Awarded



REM: CB says it's graduates that count. Ergo: Retention is #1

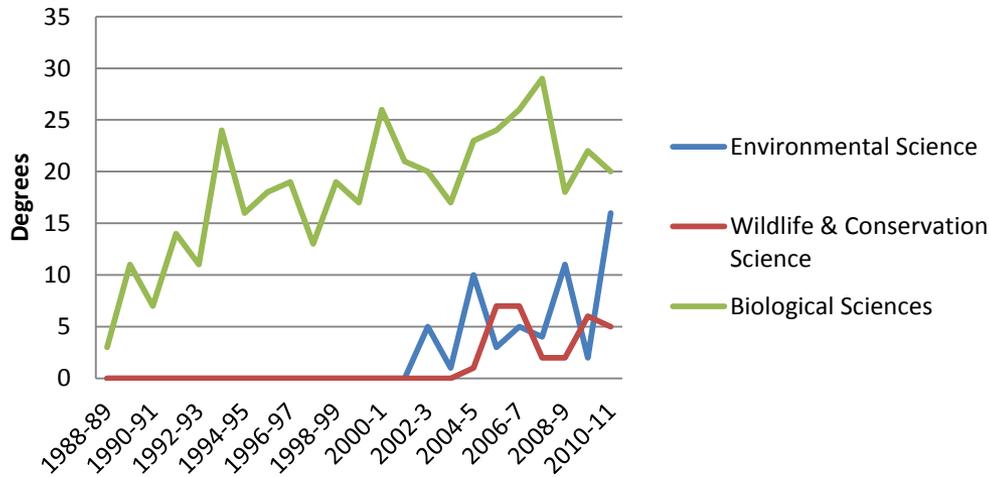
Agriculture Master's Degrees Awarded



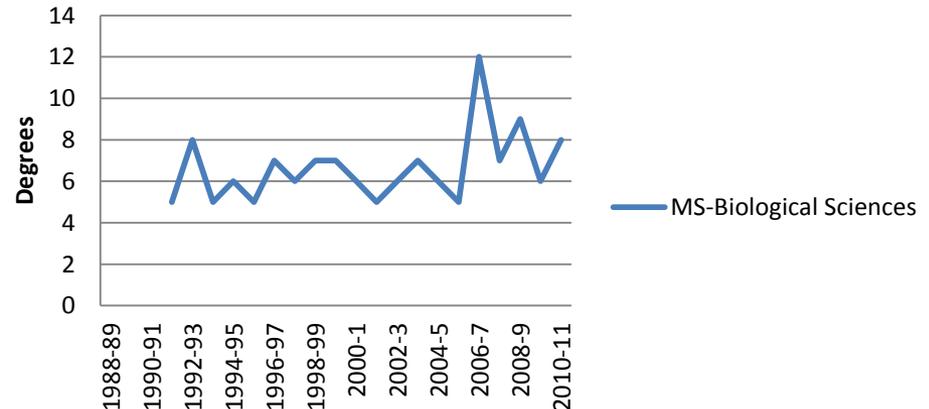
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Biology & Environmental Sciences Bachelor's Degrees Awarded



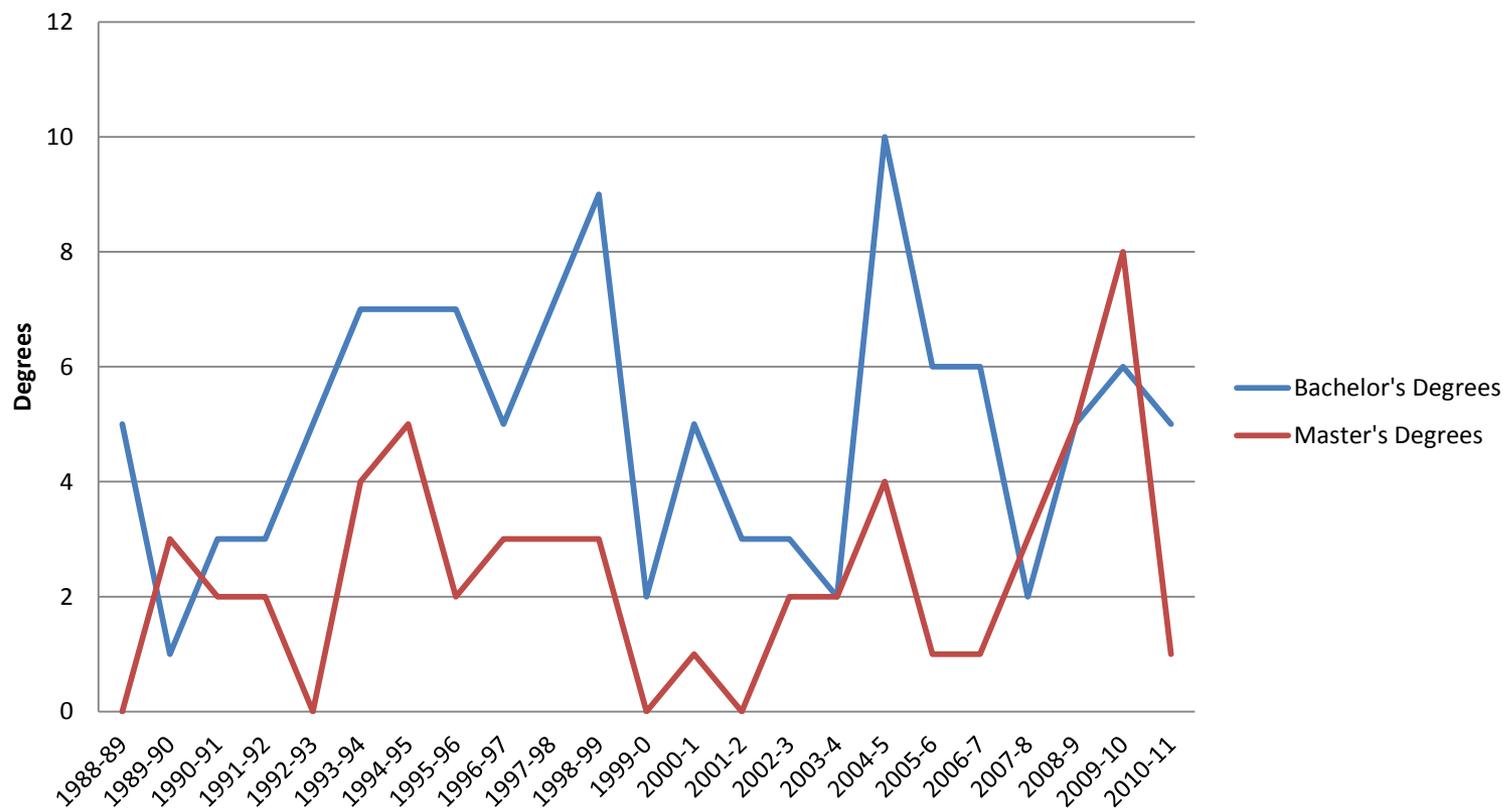
Biology & Environmental Sciences Master's Degrees Awarded



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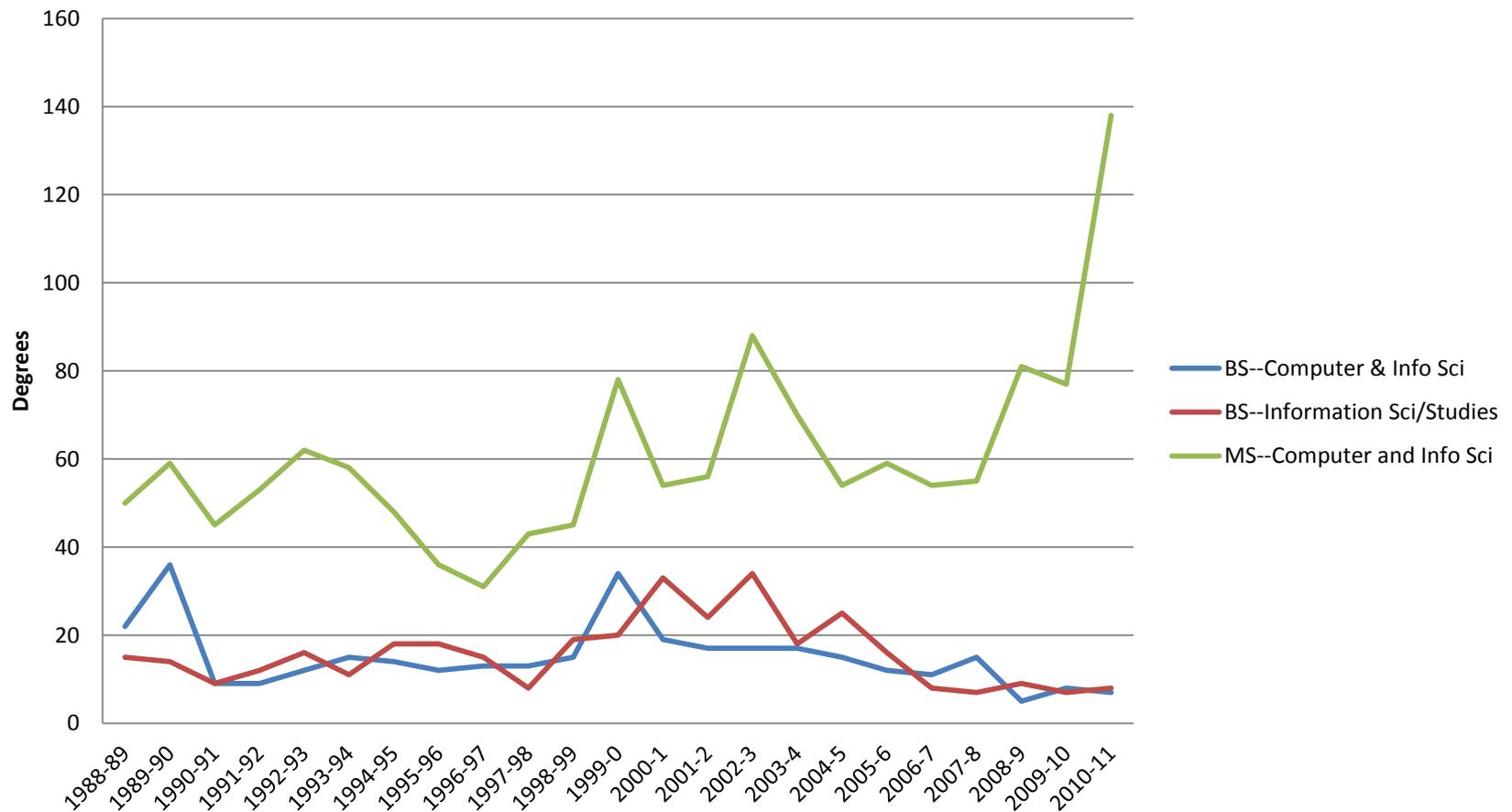
Chemistry Degrees Awarded



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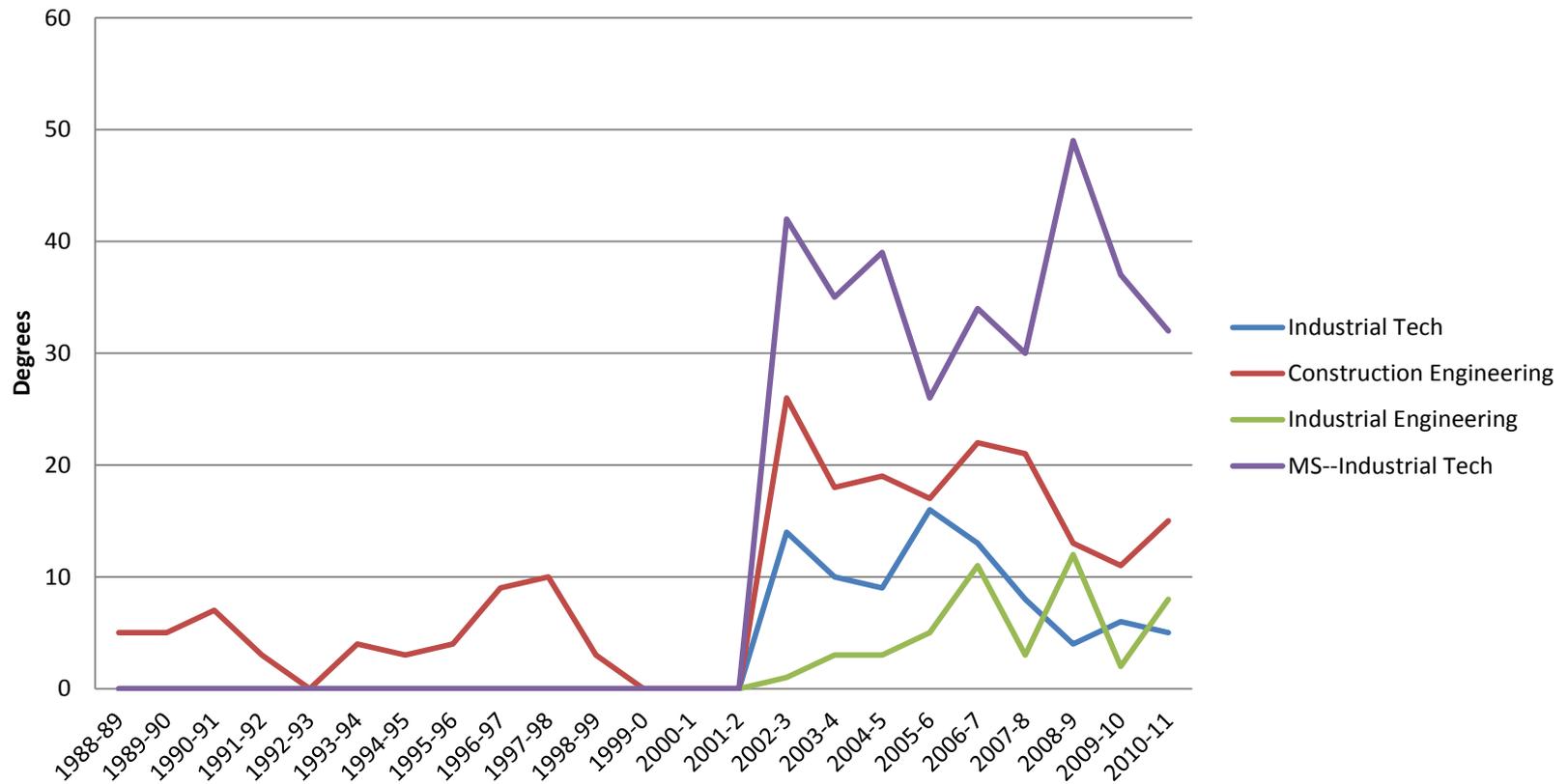
Computer Science Degrees Awarded



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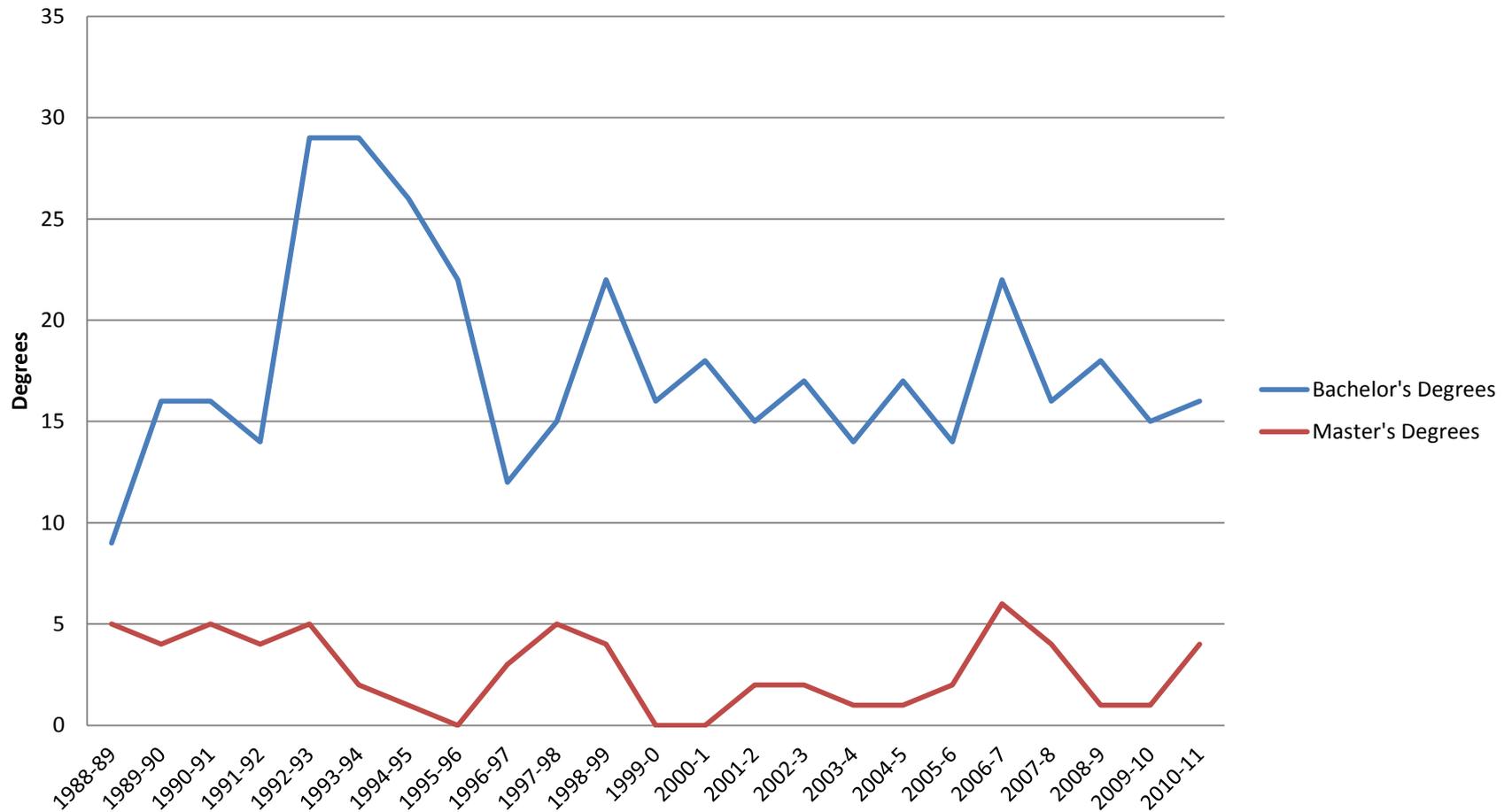
Engineering & Technology Degrees Awarded



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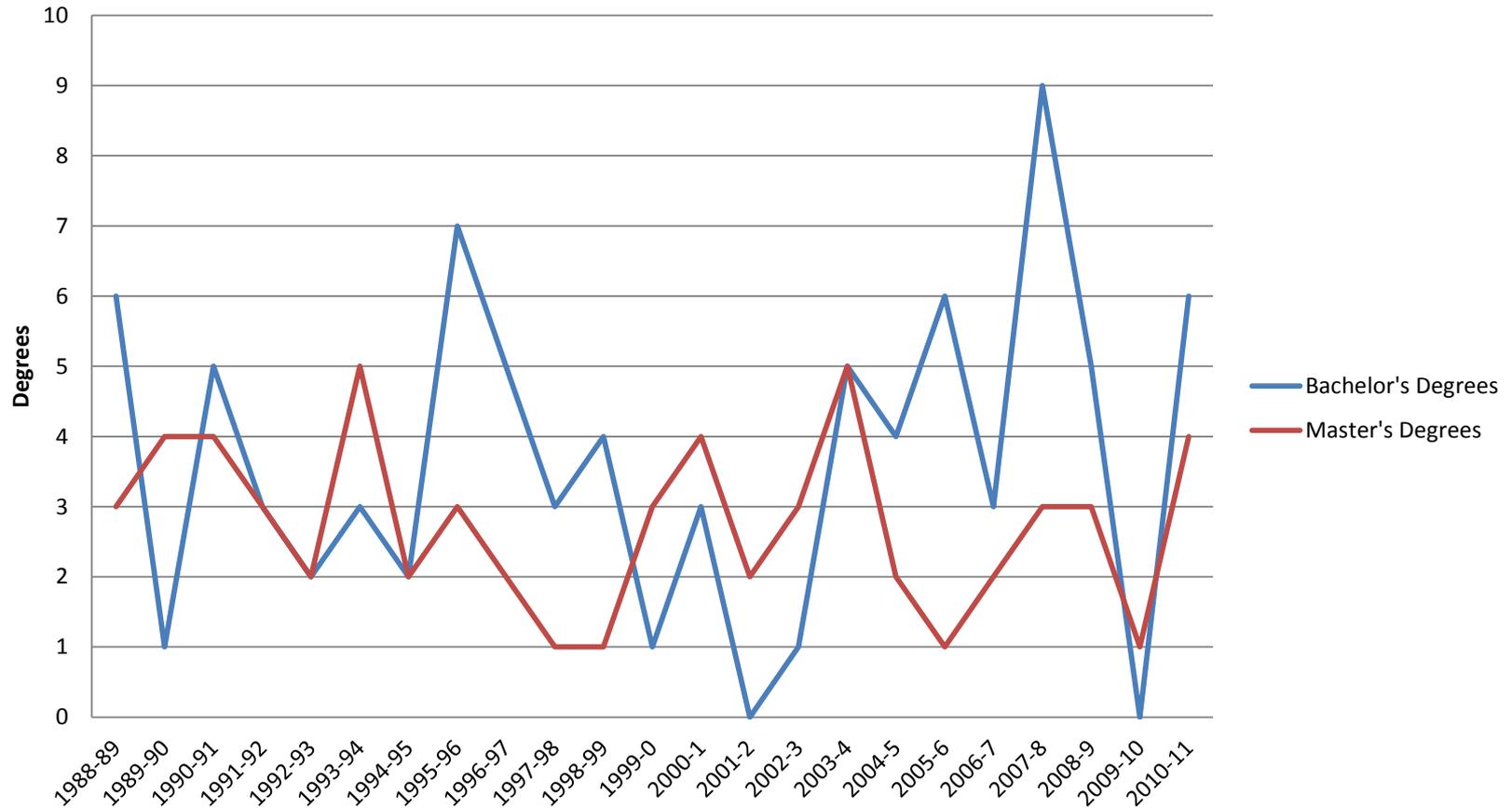
Mathematics Degrees Awarded



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Physics Degrees Awarded



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- STEAM education in CoSEA
- Existing 8-12 Certifications in:
 - Agricultural Science
 - Chemistry
 - Life Science
 - Mathematics
 - Physical Science
 - Physical Science/Math/ Engineering
 - Physics/Math
 - Science
- Aggressive participation in new CORE
- 100% on-line M.S. in Biology
- Pursuing CSCI and ENVIS degrees at Navarro sites.



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- Comm Reminders

- Faculty Resource Page

- ✓ <http://web.tamu-commerce.edu/academics/colleges/scienceEngineeringAgriculture/FacultyResources.aspx>

- ✓ Department Head meetings

- ✓ Faculty Meetings

- ✓ Dean's Council

- ✓ Faculty Senate...

- CoSEA on FaceBook

- CoSEA Faculty list-serve:

- ✓ coseafaculty@tamu-commerce.edu



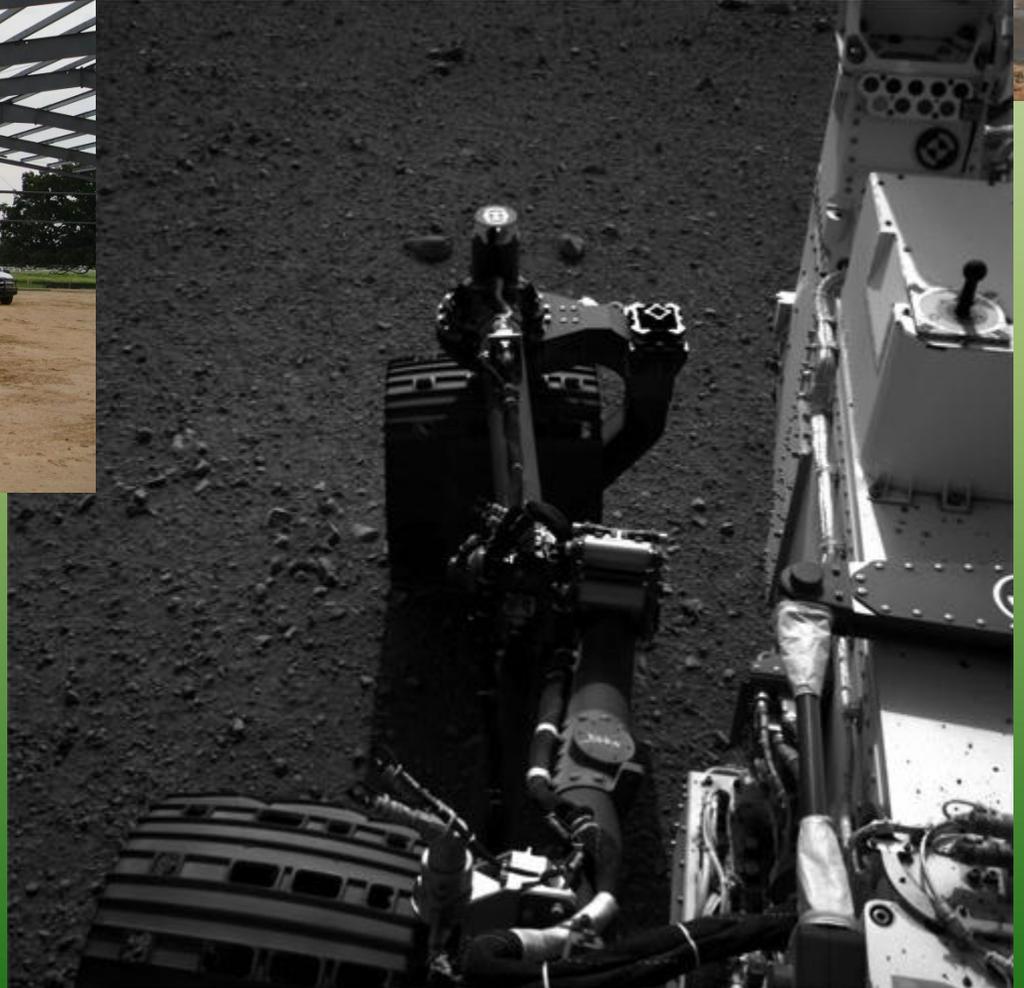
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- The Year Ahead...



- SACS Reaffirmation is underway
- Base Year is underway.
- Establish remainder of programmatic mission and goals statements
- Get probations lifted on “low-producing” programs.
- Expand on-line and off-site presence.
- Grady working on: faculty workload & annual evaluation policies. Professional development for department heads. Pushing student advising onto mobile devices. *Tutorcasts* w/KETR.



Here we go!