



State of the College Fall 2012

Costas Tsatsoulis

Dean

(some data updated with final values)

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Our College of Engineering



Fall 2012

- 73 T/TT Faculty
- 12 Lecturers
- 2,687 students

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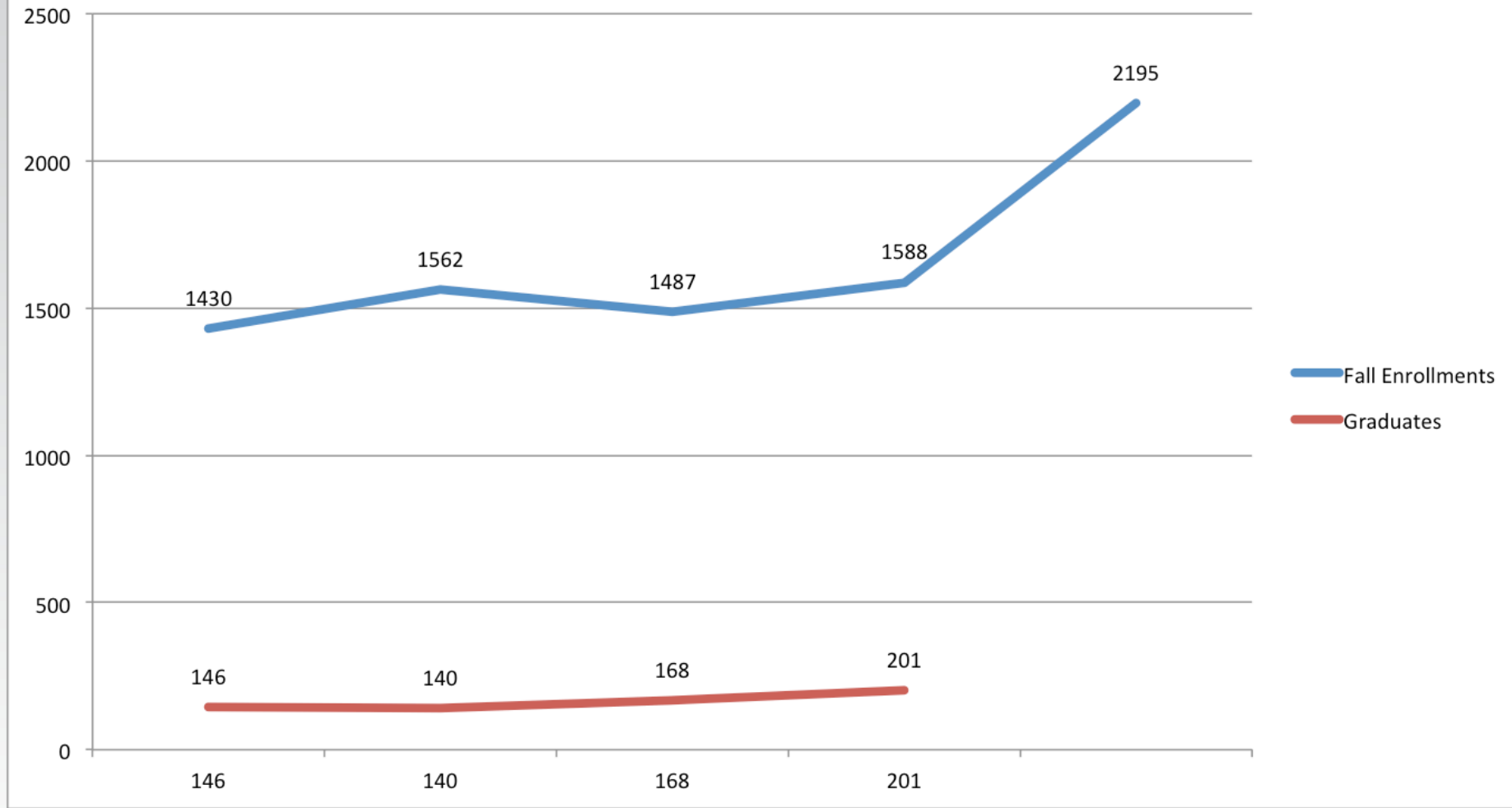
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Undergraduate Program

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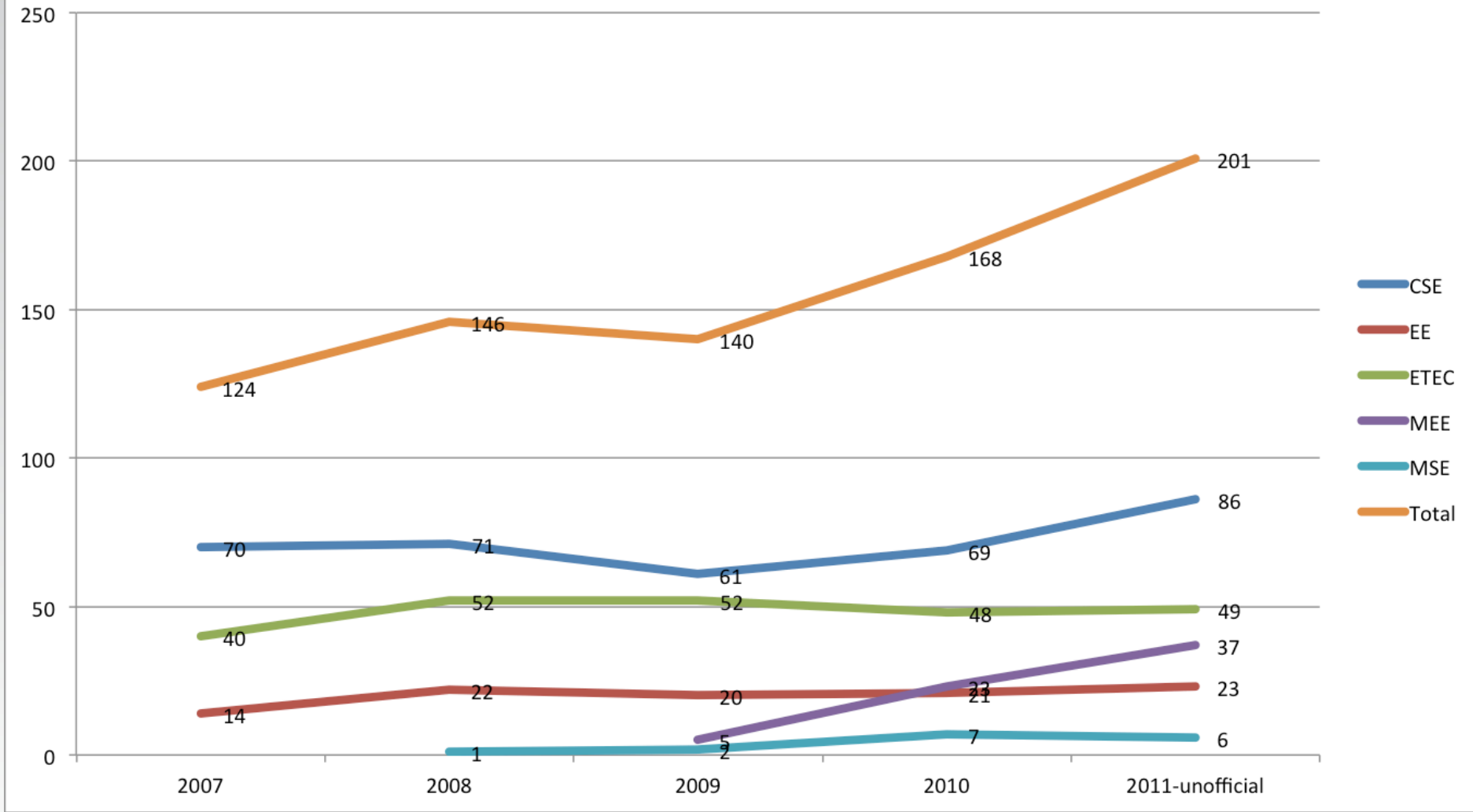
Engineering Undergraduates



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Undergraduate Degrees



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Other

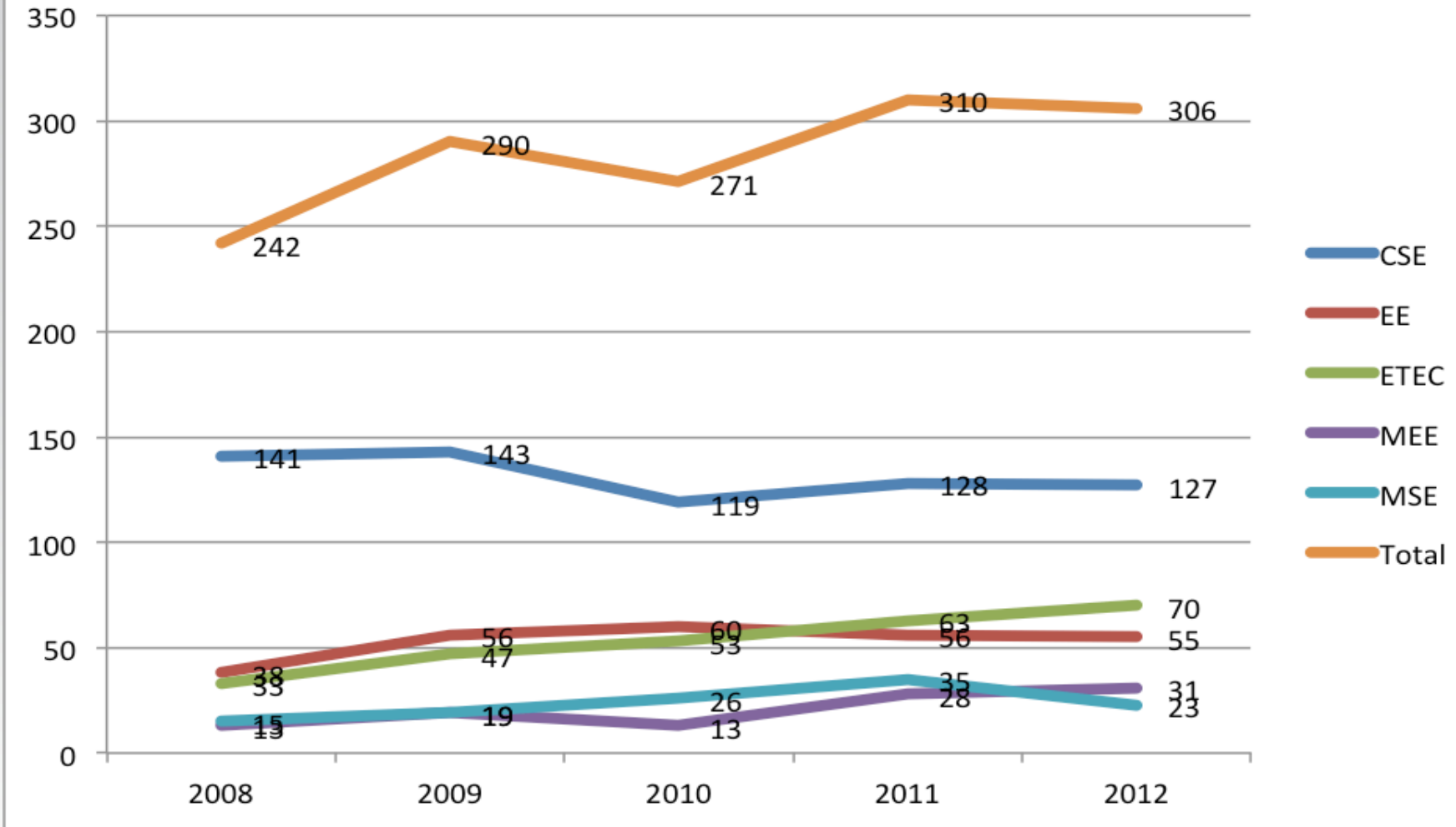
- BS EE and BS CNET accredited
- BS ELET re-accredited by the FAA
- Engineering Community in Kerr Hall now has 50 students
- Tutoring grew from 54 to 80 students supported, and from 174 to 704 tutoring hours
- Offered on-line program to tutor incoming students on math placement test
- SUPER was continued in the summer with support from RIM
- We added the AEE and HKN to our professional and honor organizations

Graduate Program

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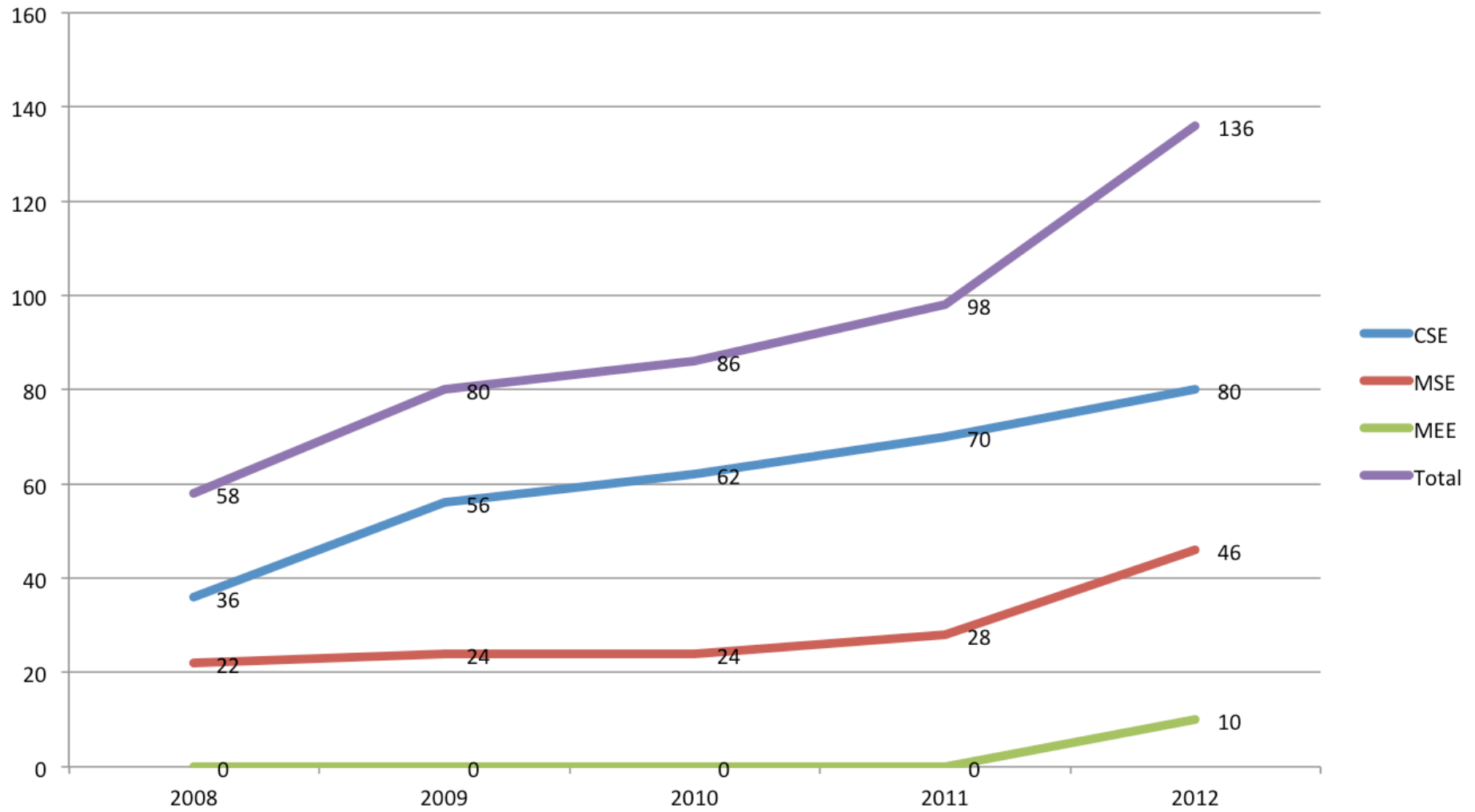
MS Enrollments



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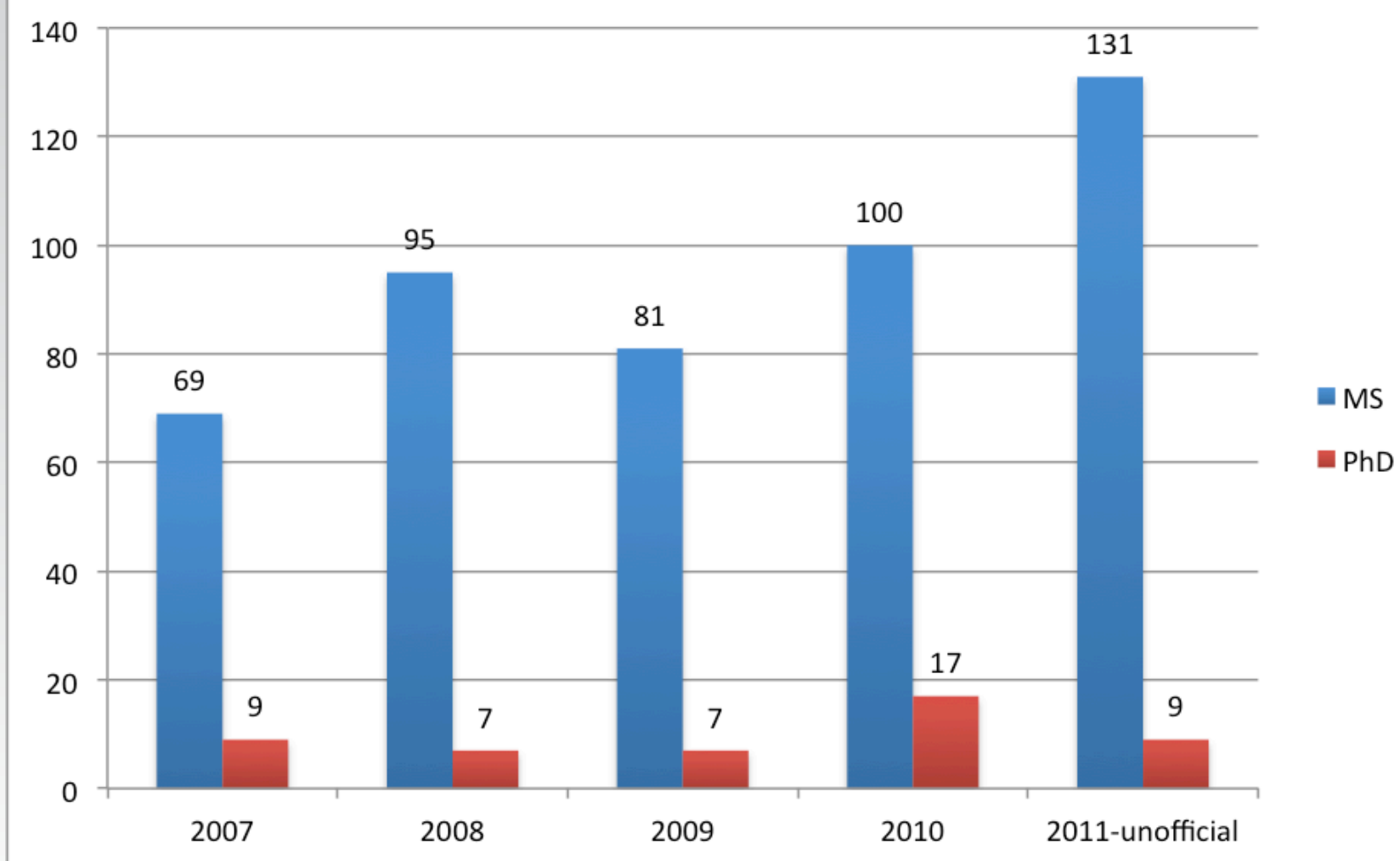
PhD Enrollments



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Graduate Degrees



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Other

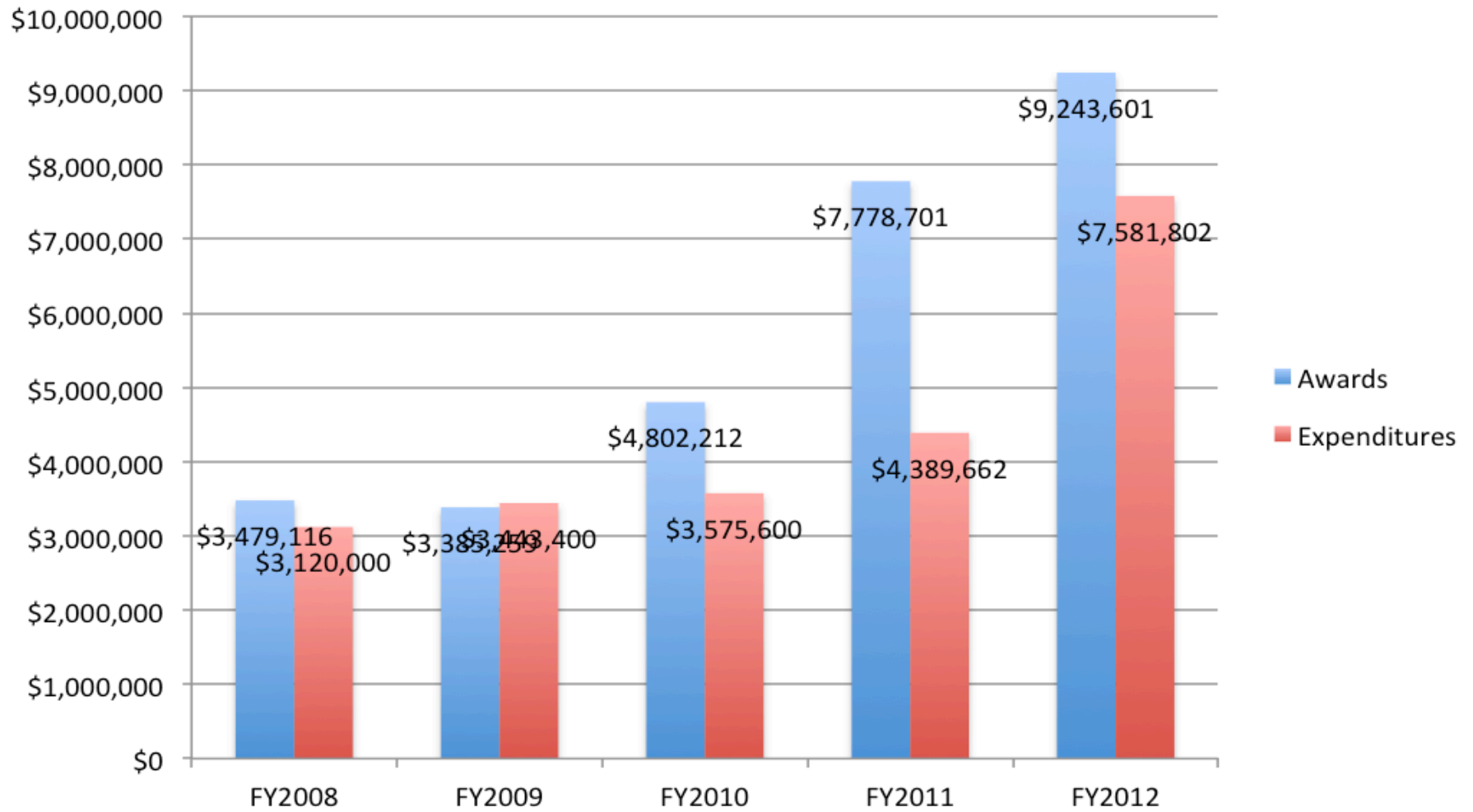
- Implemented PhD student progress review process
- Used 15 TA-ships to recruit outstanding students
- Our graduate recruiter has identified target schools for recruiting this Fall and next Spring

Research and Scholarship

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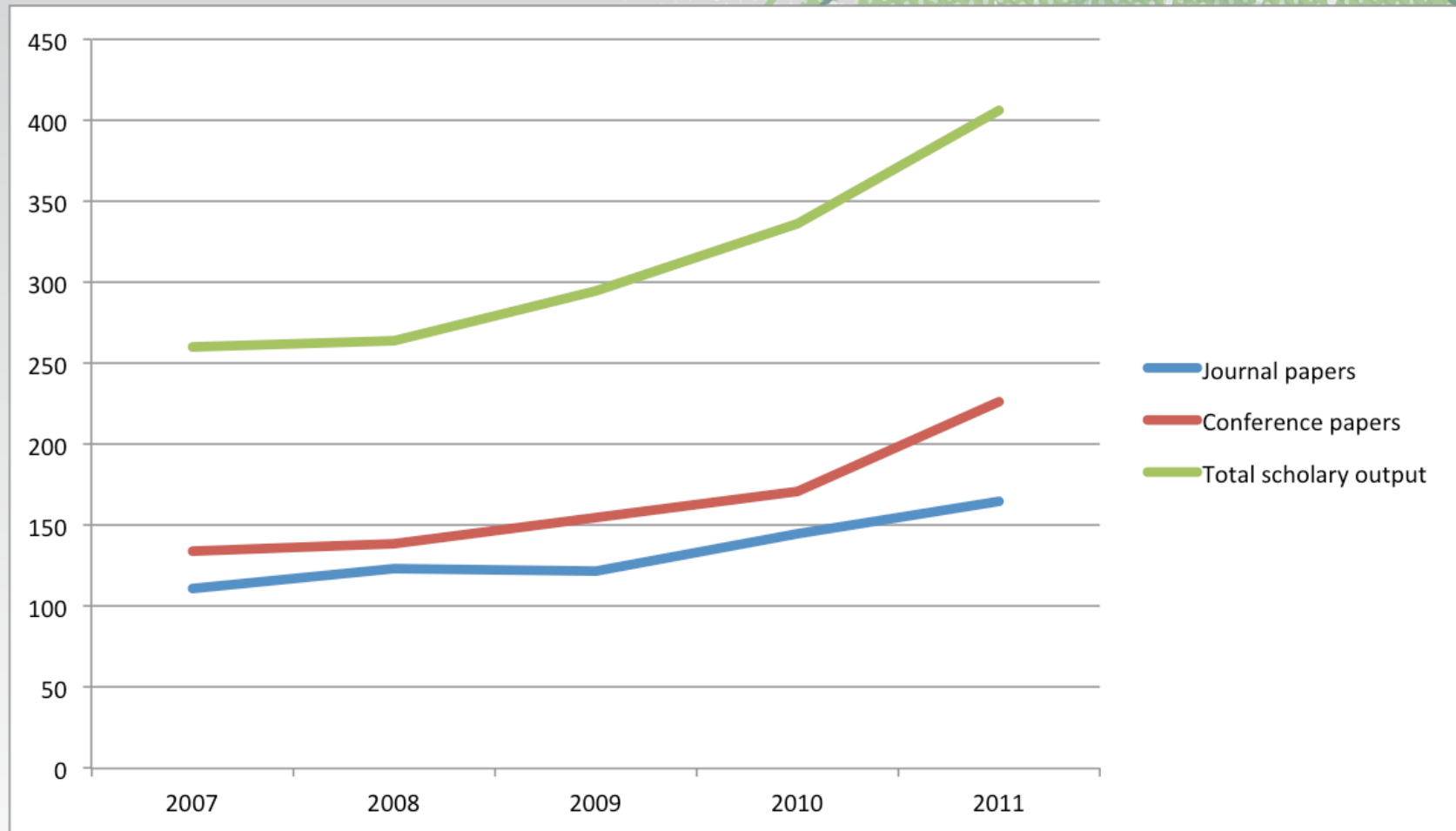
Engineering *Competitive* Research Awards



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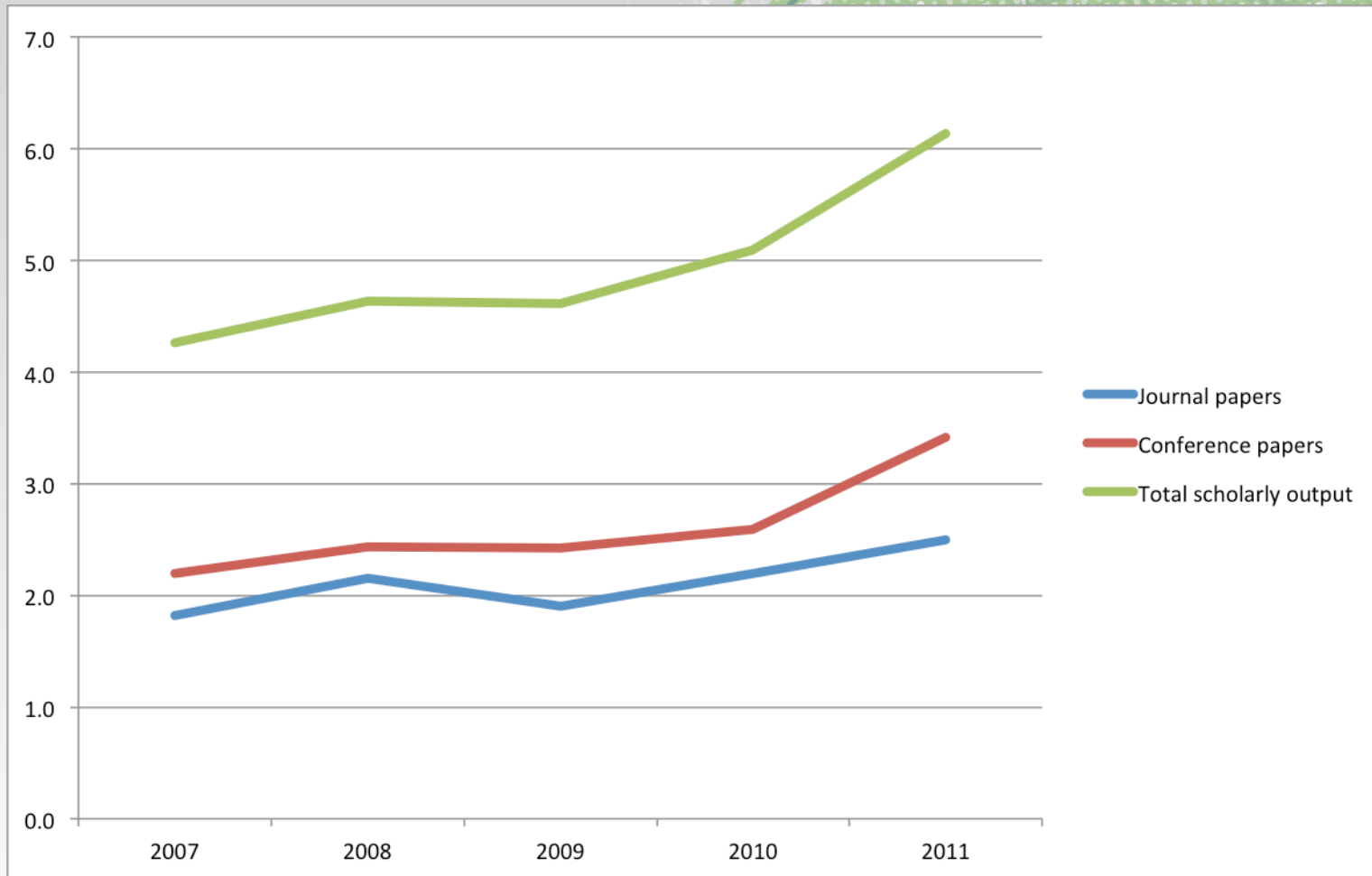
Scholarly Output



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Scholarly output per capita



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Building a Research Infrastructure

- Two post-award people
- Hiring a pre-award person
- Hired a technician/lecturer
 - Available to manufacture parts for researchers
- Hired a software engineer
 - 50-50 with a research grant
 - He will be available to work on your grants
- Identified a consultant for DoD grants

Development and Outreach

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Industry Outreach

- We have continued to add industrial partners to the Advisory Boards of Departments and the College
- Last year 90 total companies attended our Fall and Spring career fairs
- Last week 70 companies attended our Fall career fair
- Three I/UCRCs continue to bring industry to UNT Engineering
- We have established two new industry-sponsored scholarships

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Advancement

- As part of UNT's Capital Campaign we have formed the Engineering Action Team currently consisting of 8 UNT alumni
 - We will continue to grow the Action Team
 - Some of you may be asked to assist in engaging alumni
- We have formed the Recent Graduate Advisory Board
 - Engineering graduates of the past 7 years or less
 - Currently has 14 very enthusiastic members
 - Initial goal is to help us in recruiting and retention

The background features a large, abstract circular graphic on the right side. It consists of several concentric rings in various shades of green, from light to dark. Overlaid on these rings are numerous dashed white lines that radiate outwards from the center, creating a grid-like or orbital pattern. The left side of the image is a plain, light grey gradient.

Others

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Faculty Additions

- Twenty-one new faculty hires in the past 2 years (13+8)
- Also two joint (20%) appointments
- We were joined by our second member of the National Academy of Engineering, Dr. James William
- Two new positions (EETEC, CSE) for next year

Construction and Renovations

- Zero Net Energy House - completed
- High Bay Area and Mezzanine Labs - under construction
- MEE teaching lab – under construction
- MEE research lab, faculty offices - completed
- Incubator - completed
- Clean Room - completed
- CART Space – under construction
- Engineering Testing Facility – under construction
- MSE offices – under construction
- STRB - dead

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International Collaborations

- Second International Discovery Workshop focusing on Alternative and Sustainable Energy Systems held in June
 - 26 researchers from 10 nations attended
- The results of our First International Discovery Workshop have continued to be positive
 - Columbian researcher currently at UNT for 6 months
 - CINVESTAV graduate students have spent time at UNT
 - Joint CSE PhD with Greek National Research Institute has been approved and will start Fall 2013
- UNT is opening an Asia Office in Bangkok on December 1
- Many more international activities organized by individual departments
 - Faculty visits (MEE, MSE)
 - Workshops (MEE)
 - International research collaborations (MEE, MSE, CSE)
 - Others I don't know

Selected Student Achievements

- Two NSF GRF awards (Jennifer Williams – EE, and Jessica Rimsza – MSE)
- Honda Scholarship award (Michael Stoddard – MEE)
- 1-2 at Vesta’s Winnovation Challenge (Joseph Koruth and Carlos Peña-Sanchez – MEE)
- MEE student (Chris Stallings) named Outstanding Student by the North Texas chapter of ASME
- CNET student (Yasir Abdelragiz) received the Associated General Contractors Scholarship
- Two students (Samu Chakki – EE and Yiwen Wan – CSE) placed second in the “Innovation Challenge” sponsored by UNT and Alcatel-Lucent
- An EE senior (Emma Zemler) was selected by NASA to coop at the JSC

And more!

- Offered teaching workshops for faculty
- Hosted the BEPS conference
- Hosted North Texas Student Symposium on Materials Science and Engineering
- Hosted workshop “Security in the Move and in the Clouds”
- Hosted regional competition for the Linguistics Olympiad
- ETEC celebrated its 20th anniversary
- Getting ready for CSE’s 40th anniversary
- Net-Centric I/UCRC won the MTBC Tech Titans of the Future award
- RET summer program ran by EE
- RoboCamp, Xbox and Materials Camps
- UNT became a National Center of Academic Excellence in Information Assurance Research
- CSE alumnus Jason West named UNT Distinguished Alumnus

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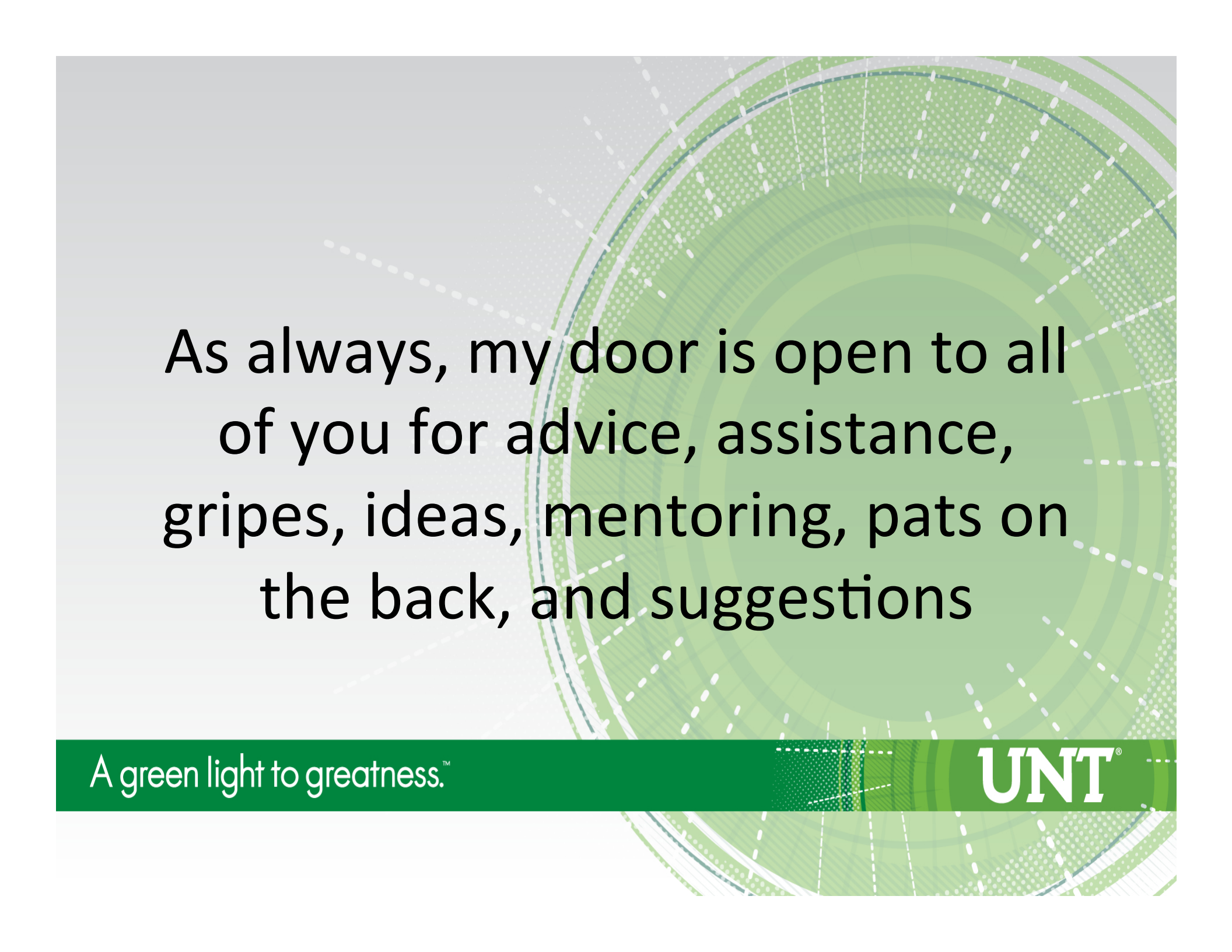
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Next Year

- Continue what has been successful:
 - Recruiting, retention, scholarship, proposals
- Learn and improve:
 - Math placement of new students, graduate student recruiting, PhD student progress tracking, junior faculty mentoring
- Try:
 - Easier path from BS to graduate school for our students
 - Change the way course fees are structured
 - Explore offering certificates and/or degrees for working professionals
 - Submit at least one proposal for over \$1M per year
 - Raise \$3M
- Open to other proposals from Departments and faculty

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As always, my door is open to all
of you for advice, assistance,
gripes, ideas, mentoring, pats on
the back, and suggestions

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