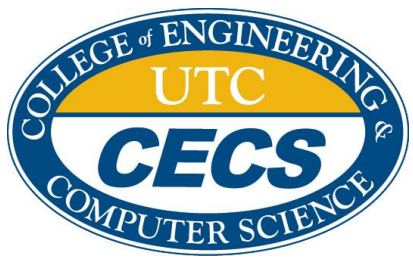


# College Faculty & Staff Retreat

Thursday, August 13, 2015

The Challenger STEM Learning Center

10:00 a.m. – 2:00 p.m.

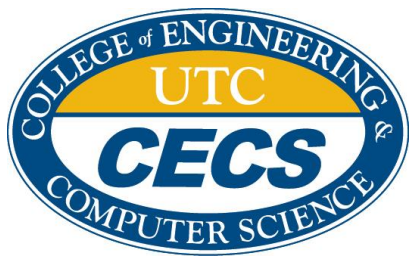


# Outline

- Welcome
- Introduction
- Annual Review
- Updates
- Important Dates
- Lunch
- Group Discussions
- Announcements
- Questions

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# Introduction

- **Dr. Jerald Ainsworth**, Provost and Senior Vice Chancellor for Academic Affairs
- **Dr. Joanne Romagni**, Vice Chancellor for Research & Dean of the Graduate School
- **Ms. Ann Yoachim**, Director of Community Partnerships
- **Dr. Reinhold Mann**, Interim Director of the SimCenter

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# 2014-15 Annual Review

- **ASCE Southeast Student Conference** was hosted by the Civil Engineering Department and more than 1000 students participated
- **AICHE Student Team** has placed second in Regional ChemE Car Competition and qualified for Nationals in the fall
- **Engineering Management** is ranked as #7 Best Online Graduate Engineering Program according the US News & World Report
- **Eight new faculty joined us**, 3 in Electrical Engineering, 1 in Mechanical Engineering, 1 in Chemical Engineering, 2 in Computer Science, and 1 in Engineering Management & Technology
- **Amanda Chambers and Laura Lee** have joined us as the first Academic Advisors of the College

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# 2014-15 Annual Review (cont'd)

- **Two College-level Job Fairs** were organized
- **MOAs were signed** with two Chinese universities for Computer Science and Civil Engineering programs
- **Jim Kurtz** has joined us as the College Outreach Director
- **Deborah Levine** had joined us as the College Research Coordinator, but has resigned recently due to health problems
- **Terri Clark** has joined us as Senior Director of Development
- **Sarah Alsobrooks and Kim Sapp** have joined us as Administrative Assistants

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# 2014-15 Annual Review (cont'd)

- **Mike Roeser** has joined to the College Technical Support group
- **Skip Smith**, Lecturer in Construction Management, has resigned
- **Dr. Reinhold Mann**, has joined us as the Interim Director of SimCenter
- **Dr. James Newman**, has become Interim Department Head of Graduate School Computational Engineering, Assistant Director for Sim Center
- **Dr. Soubantik (Sou) Palchoudhury**, has joined us as the Visiting Chemical Engineering Faculty

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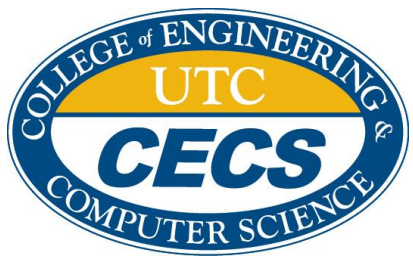


# 2014-15 Annual Review (cont'd)

- **College Advisory Board** has been revitalized, 20 additional community members were added, and met twice per semester
- **Dean's Students Advisory Council** has been formed and their constitution was developed
- **ABET-EAC Self Study Reports** were finalized and sent on June 30<sup>th</sup>
- **Jennifer Hoff** has joined us as an external reviewer to assist faculty in their research initiatives
- **Research and Grant Development Workgroup** has been established and met a couple of times during the summer and will continue to meet once a month

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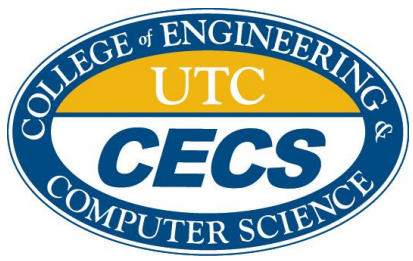
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# 2014-15 Annual Review (cont'd)

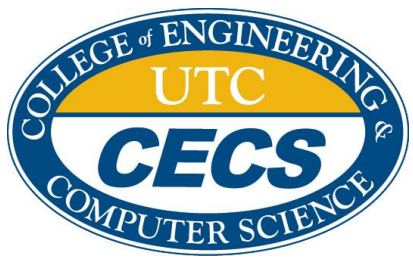
- **Four faculty and one staff** have retired through the retirement incentive program, but two retired faculty were hired back on a part-time basis
- **Marketing Efforts** have emphasized and will be used extensively during the 2015-16 academic year too
  - Billboard/Digital Signs
  - Magazine Ads
  - Brochures & Flyers
  - Short Videos
  - Social Media
  - E-News
  - T-shirts
  - Car Decals
  - Year In Review Magazine
  - Website
- **Communication** has been improved by creating e-news and meeting more often with the College faculty, staff, and students





# 2014-15 Annual Review (cont'd)

- **Engineering Students' Workroom** has been developed in EMCS 405
- **The First CECS Makerspace** has been established in the old incubator room (EMCS 344)
- **Outside Seating Areas** have been put in front of the building
- **The P.O.D. (Provisions on Demand)** was installed on the second floor, across the Benwood Auditorium, for fresh food & drinks
- **The IT and GIS Groups** have moved out of the EMCS building



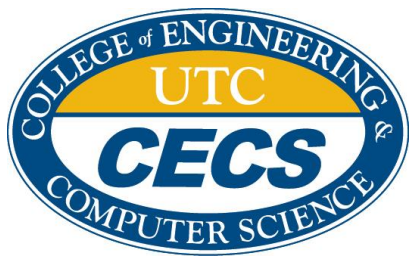
# ABET-EAC

**Visit Date: November 8-10, 2015**

- **Dr. Kenneth Ball, Team Chair**  
Dean, School of Engineering, George Mason University
- **Dr. Daniel J. Lacks, BSCHE PEV**  
Case Western Reserve University
- **Dr. Malay Ghose Hajra, BSCE PEV**  
University of New Orleans
- **Dr. Ravi Joshi, BSEE PEV**  
Texas Tech University
- **Dr. Mark Nowack, BSE PEV**  
College of the Ozarks
- **Dr. Michael Patrick Gordon, BSME PEV**  
Piper Aircraft

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# UTC

# ABET-EAC TEAM

- **Electrical Engineering:** Dr. Daniel Loveless, Dr. Nur Sisworahardjo, Dr. Ahmed Eltom, other EE Faculty, and Mr. David Decker
- **Civil Engineering:** Dr. Joe Owino, Dr. Ignatius Fomunung, other CE Faculty and Staff, and Ms. Sarah Alsobrooks
- **Mechanical Engineering:** Dr. Gary McDonald, other ME Faculty, and Ms. Andrea James
- **Chemical Engineering:** Dr. Frank Jones, other ChemE Faculty, and Ms. Sarah Alsobrooks
- **General Engineering:** Dr. Claire McCullough, Dr. Cecelia Wigal, Dr. Joe Dumas, Dr. Dalei Wu, Dr. Joseph Kizza, and other Gen. Engr. Faculty and Staff

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# 2015-16

## CECS Plans & Activities

- ABET Reaccreditation Visit for Engineering Programs
  - November 8-10, 2015
- CECS Dean Search
- CECS Bylaws will be finalized and voted during the fall semester
- College and Departmental Goals will be reviewed and modified
- CECS Strategic Goals for 2020 will be finalized
- The number of ABET Reviewers in the CECS will be increased
- CECS Research activities and grant submissions will be increased

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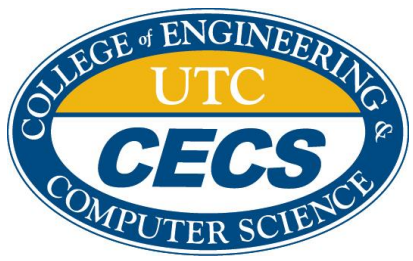
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# CECS

## Budget Updates

- **Budget Reductions**
  - 2015 Summer School Budget was lowered more than \$50,000
  - 2014-15 Adjunct Faculty Budget was lowered more than \$75,000
  - More than \$100,000 deficit has been eliminated from the summer school and adjunct budget during the 2014-15 academic year
- **FY16 Faculty & Staff Raises**
  - 1.5% across the board
  - Equity adjustments
  - Staff reclassifications
  - Merit increases



# CECS Updates

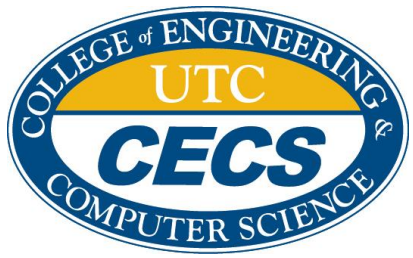
- **Center for Energy, Transportation, and Environment (CETE)**
  - Dr. Ignatius Fomunung, Interim Director
- **CECS Makerspace**
  - Dr. Don Reising, Lead Faculty Advisor & Coordinator
- **Project Lead The Way (PLTW)**
  - Mr. Jim Kurtz, Affiliate Director



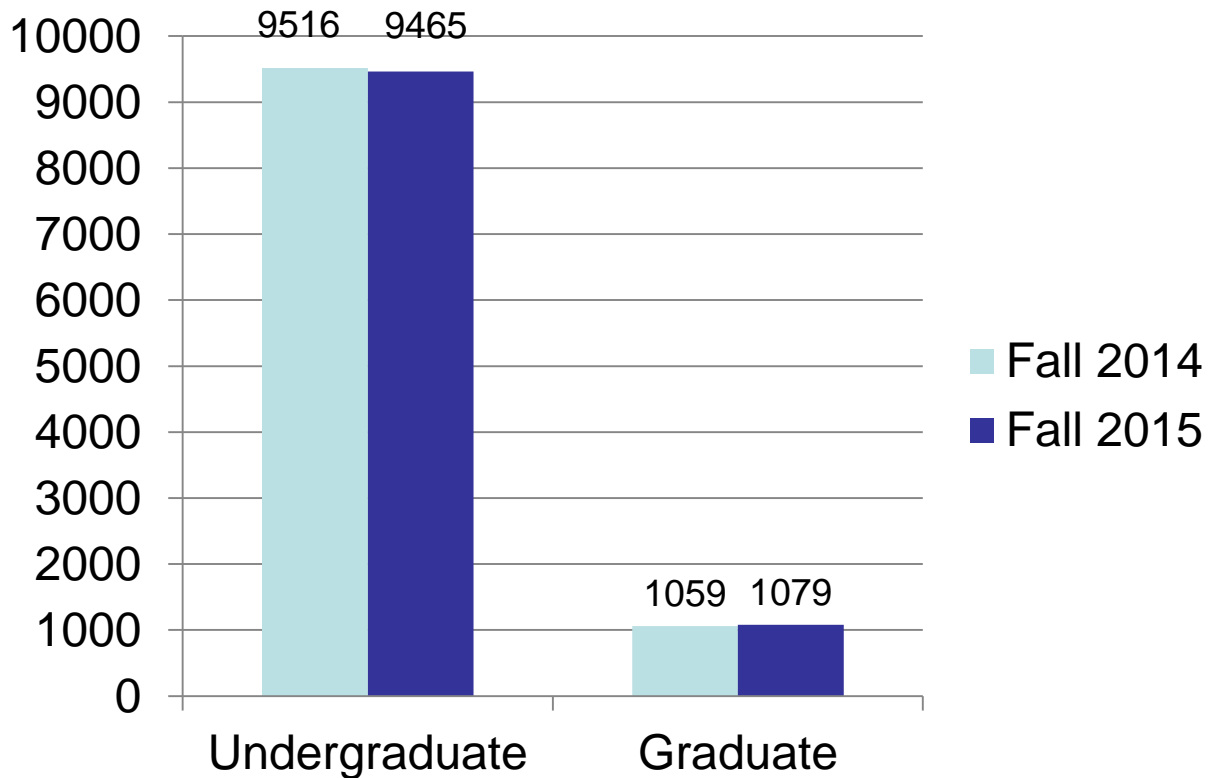
# CECS

## Departmental Updates

- **Dr. Joe Owino**, Department Head of Civil, Chemical, and General Engineering
- **Dr. Joseph Kizza**, Department Head of Computer Science & Engineering
- **Dr. James Newman**, Interim Department Head of Computational Engineering
- **Dr. Ed McMahon**, Interim Department Head of Engineering Management & Technology
- **Dr. Ahmed Eltom**, Department Head of Electrical Engineering
- **Dr. Gary McDonald**, Department Head of Mechanical Engineering



# UTC Enrollment Comparison



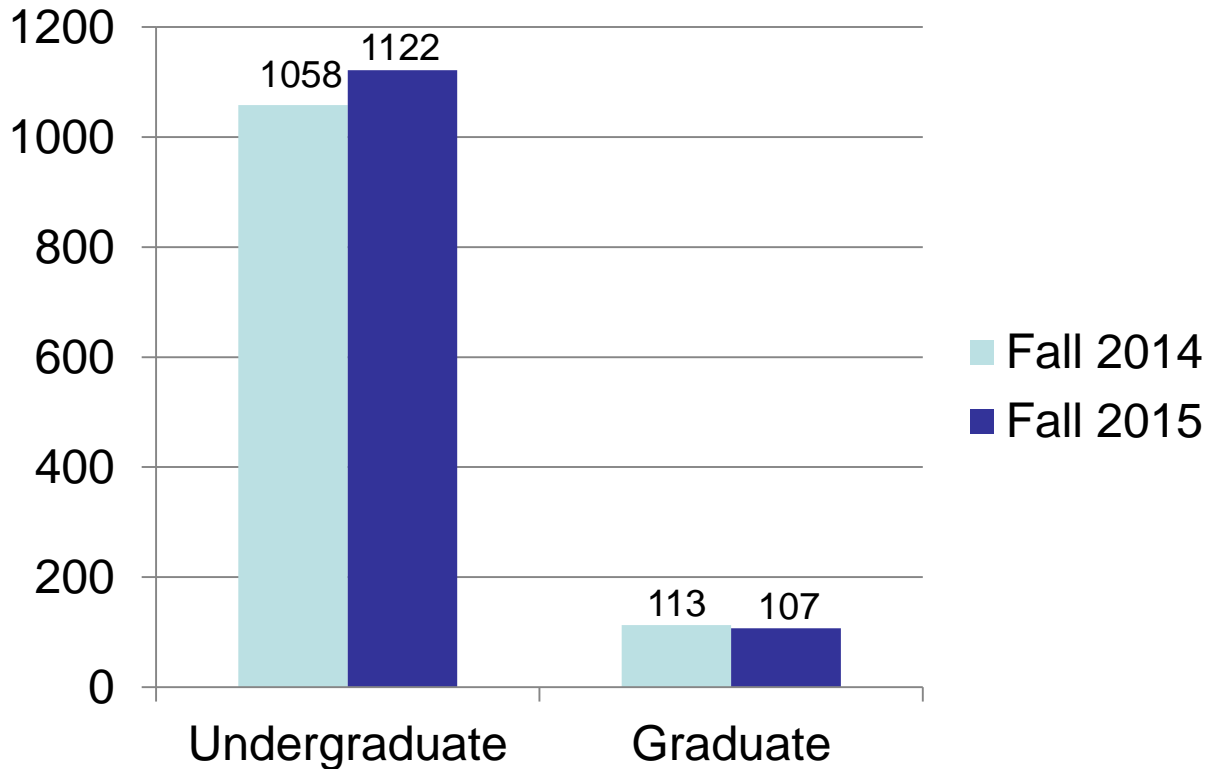
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# CECS Enrollment Comparison



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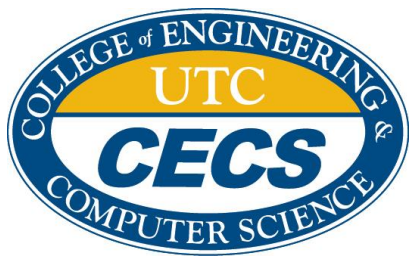


# Current CECS Enrollment Comparison

|                                   |   | Fall 2014<br>Headcount | Fall 2015<br>Headcount |
|-----------------------------------|---|------------------------|------------------------|
|                                   | <b>Undergraduate Programs</b>             |                        |                        |
| <b>Computer Science and Engr.</b> |   | <b>226</b>             | <b>231</b>             |
|                                   | BS CPSC: Information Security & Assurance | 32                     | 35                     |
|                                   | BS CPSC: Scientific Applications          | 13                     | 14                     |
|                                   | BS CPSC: Software Systems                 | 43                     | 50                     |
|                                   | BS:CPSC: STEM Education                   | 25                     | 4                      |
|                                   | Pre Computer Science                      | 113                    | 128                    |
| <b>Engineering</b>                |   | <b>742</b>             | <b>778</b>             |
|                                   | BSCE                                      | 106                    | 106                    |
|                                   | BSChE                                     | 108                    | 100                    |
|                                   | BSEE                                      | 129                    | 144                    |
|                                   | BSME                                      | 268                    | 289                    |
|                                   | BSE: Environmental                        | 24                     | 22                     |
|                                   | BSE: Industrial                           | 20                     | 20                     |
|                                   | BSE: Nuclear                              | 17                     | 14                     |
|                                   | BSE: Interdisciplinary                    | 1                      | 5                      |
|                                   | BSE: Computer                             | 67                     | 74                     |
|                                   | BSE: STEM Education                       | 2                      | 4                      |
| <b>Technology</b>                 |   | <b>89</b>              | <b>113</b>             |
|                                   | BS ETM: Construction Management           | 44                     | 61                     |
|                                   | BS ETM: Engineering Management            | 45                     | 52                     |
| <b>TOTAL</b>                      |   | <b>1057</b>            | <b>1122</b>            |

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# CECS

## Summer Orientation

- **Dr. Gary McDonald**, Department Head of Mechanical Engineering and Director of Freshman Engineering and Transfer
- **Ms. Amanda Chambers**, Academic Advisor
  - BSME, BSCE, BSChE, and BSE
- **Ms. Laura Lee**, Academic Advisor
  - BSEE, BS CPSC, BS ETM

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# CECS Research & Grant Development Workgroup

- **Ms. Jennifer Hoff**, President and Founder Skye Strategies
- **Ms. Angie Johnson**, UTC Grant Specialist
- **CECS Faculty Research Database** has been created

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# CECS

## Development Efforts

- **Ms. Terri Clark**, Senior Director of Development
  - Volkswagen Hackathon, October 9-10, 2015
  - \$1,417,417 from 148 donors

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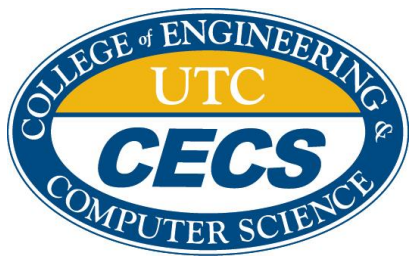
# CECS

## Marketing & PR Efforts

- **Ms. Holley Beeland**, Information Specialist
- <https://www.youtube.com/watch?v=ZkMtBEXiTtQ&feature=youtu.be>

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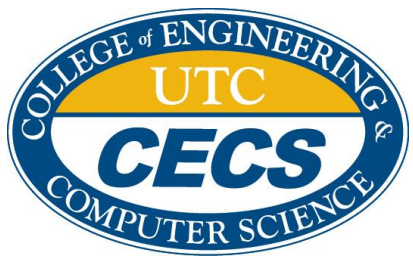
# CECS

# Technical Support

- **Mr. Karl Fletcher, Manager Technical Support**

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# CECS

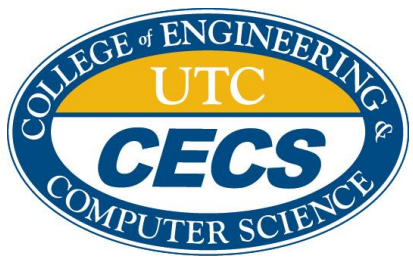
## Bylaws Taskforce

- Joe Dumas, CSE
- Jan Evans, EMT
- Ignatius Fomunung, CE
- Frank Jones, ChemE
- Farah Kandah, CSE
- Chuck Margraves, ME
- Abdul Ofoli, EE
- Cecelia Wigal, General Engr., Chair

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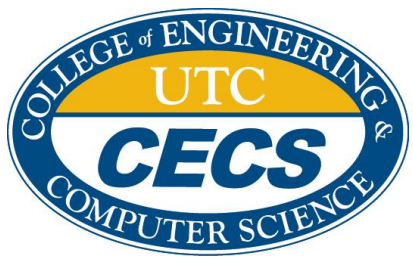


# Fall '15 Important Dates

- **CECS Get-On-Board Day**, September 2, 2015
- **CECS Tailgate Party**, September 5, 2015
- **CECS Full Faculty Meeting**, September 18, 2015
- **CECS Open House**, in September 2015
- **Volkswagen Hackathon**, October 9-10, 2015
- **Fall Break**, October 19-20, 2015
- **CECS College Job Fair**, November 4, 2015
- **ABET-EAC Team Visit**, November 8-10, 2015
- **CECS Full Faculty Meeting**, November 13, 2015
- **CECS Holiday Party**, December 1, 2015
- **Final Exams**, December 2-8, 2015
- **Commencement**, December 12, 2015
- **Grades Due**, December 14, 2015

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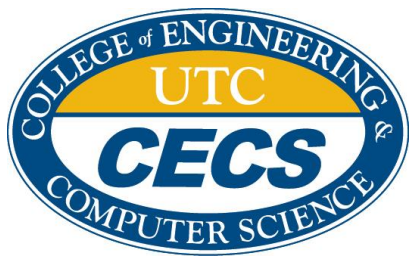


# Group Discussions

- **CECS Strategic Goals**
  - 4 goals aligned with the University's goals
- **CECS Bylaws**
  - The outline and EDO evaluation suggestions
- **CECS Communication**
  - Recommendations to improve the College-level communication

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# Announcements

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We Shall Achieve



# Questions?

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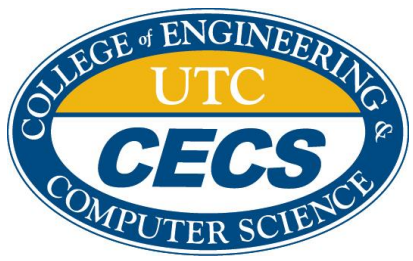


# CECS Giveaways

- CECS Polo T-shirts
- CECS Notepads & Post-it Notes
- CECS 2014-15 Year In Review Magazine
- Other marketing items

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**Thank you!**

**Have a great Fall '15  
semester!**

**Students First!**

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