Outline

• **CECS Current State**
  – CECS Enrollments
  – CECS Degrees
  – CECS New Funding

• **CECS Moving Forward**
  – Resources
  – Expectations
  – Future Goals

• **CECS Asks for DAB**

• **Back-UP Slides**
  – CSIT TEAm Grant Effort
## UCF Enrollments

**2014** Total UCF **Headcount**: 60,821; **2015** Total UCF **Headcount**: 63,003; up by **3.6%**

### CECS 2015: 8,238 (UG), 706 (MS), 619 (Ph.D.), 1,992 (Juniors), 3,462 (Seniors), 5,454 (Juniors + Seniors)

### CECS 2014: 7,383 (UG), 711 (MS), 600 (Ph.D.), 1,819 (Juniors), 3,538 (Seniors), 5,357 (Juniors + Seniors)

<table>
<thead>
<tr>
<th>Discipline</th>
<th><strong>Fall 2015</strong></th>
<th><strong>Fall 2014</strong></th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts &amp; Humanities</td>
<td>5,377</td>
<td>5,265</td>
<td>+2.13%</td>
</tr>
<tr>
<td>Business</td>
<td>9,018</td>
<td>8,546</td>
<td>+5.52%</td>
</tr>
<tr>
<td>Education</td>
<td>5,757</td>
<td>5,645</td>
<td>+1.98%</td>
</tr>
<tr>
<td><strong>CECS</strong></td>
<td><strong>9,573</strong></td>
<td><strong>8,712</strong></td>
<td>+9.88%</td>
</tr>
<tr>
<td>Grad Studies</td>
<td>109</td>
<td>123</td>
<td>-11.38%</td>
</tr>
<tr>
<td>Health &amp; Public</td>
<td>9,893</td>
<td>9,629</td>
<td>+2.74%</td>
</tr>
<tr>
<td>Medicine</td>
<td>3,422</td>
<td>3,209</td>
<td>+6.64%</td>
</tr>
<tr>
<td>Nursing</td>
<td>2,736</td>
<td>2,858</td>
<td>-4.27%</td>
</tr>
<tr>
<td>Optics</td>
<td>205</td>
<td>165</td>
<td>+24.24%</td>
</tr>
<tr>
<td>Hospitality</td>
<td>2,934</td>
<td>2,928</td>
<td>+0.20%</td>
</tr>
<tr>
<td>Sciences</td>
<td>11,053</td>
<td>10,924</td>
<td>+1.18%</td>
</tr>
<tr>
<td>UG Studies</td>
<td>1,698</td>
<td>1,855</td>
<td>-8.46%</td>
</tr>
</tbody>
</table>

**Underrepresented UG**: 2,608 (32.2%)
**Female UG**: 1,310 (16.2%)
**International UG**: 143 (1.7%)

**Underrepresented G**: 182 (24.3%)
**Female G**: 281 (21%)
**International G**: 591 (44%)
### CECS Degrees

<table>
<thead>
<tr>
<th>Degrees</th>
<th>13-14 AY</th>
<th>14-15 AY</th>
<th>Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS</td>
<td>1068</td>
<td>1239</td>
<td>+16.0%</td>
</tr>
<tr>
<td>MS</td>
<td>384</td>
<td>328</td>
<td>-14.6%</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>83</td>
<td>77</td>
<td>-7.2%</td>
</tr>
<tr>
<td>Total G</td>
<td>467</td>
<td>405</td>
<td>-13.3%</td>
</tr>
<tr>
<td>Total UG+G</td>
<td>1537</td>
<td>1644</td>
<td>+7.0%</td>
</tr>
</tbody>
</table>
CECS Moving Forward

<table>
<thead>
<tr>
<th></th>
<th>Fa 12</th>
<th>Fa 15</th>
<th>New 12-15</th>
<th>New 16-17</th>
<th>Total by 17</th>
<th>New 12-17</th>
</tr>
</thead>
<tbody>
<tr>
<td>T/TE</td>
<td>126</td>
<td>141</td>
<td>37</td>
<td>47</td>
<td>188</td>
<td>84</td>
</tr>
<tr>
<td>I/L</td>
<td>18</td>
<td>30</td>
<td>15</td>
<td>1</td>
<td>29</td>
<td>16</td>
</tr>
</tbody>
</table>

Notes
- **T/TE**: Tenure and Tenure Earning Faculty
- **I/L**: Instructor and Lecturer Faculty
- **Fa 12**: Faculty at beginning of Fall 2012
- **Fa 15**: Faculty at beginning of Fall 2015
- **New 12-15**: Faculty Hires that arrived from Fall 12 to Fall 15 (the reason that 37+47 (=84) T/TE hires is not equal to 188-126 (62) T/TE is that some of the 37 hires are replacement hires; same for I/L numbers)
- **New 16-17**: Faculty hires expected to arrive by Fall 17 (includes FCI hires, 12 new hires allocated by Provost, ITPF hires and replacement hires)
- **Total by 17**: Expected Faculty at the beginning of Fall 2017
- **New 12-17**: Number of Faculty Hires that arrived from beginning of Fall 12 to the beginning of Fall 2017 (5-year period)
CECS Moving Forward

- From Fall 12 (126) to Fall 17 CECS (188) CECS will have 62 more T/TE faculty almost 50% more faculty than the T/TE in Fall 2012
- The new T/TE faculty hires in 16-17 include the 12 new Provost hires, predicted FCI hires, ITPF hires, replacement hires
- If all the hires materialize by Fall 2017, 84 of the 188 T/TE faculty will be new hires (less than 5 years at UCF); this corresponds to 45% of the entire T/TE CECS faculty body
- Assuming that another 15 hires come our way next year, CECS will have, by Fall 2018, over 200 T/TE faculty
- It is reasonable to have a research productivity of 600 journals and more than 700 conferences per year, after all these faculty are in place
- It is reasonable to have a research funding productivity of $45M per year, in five years ($250k per T/TE faculty), after all these faculty are in place
CECS Moving Forward

**Bigger Research Enterprise**
- Faculty Hires
- Research Infrastructure
- Graduate Students

**Quality UG and G Education**
- Teaching Excellence
- STEM Educational Innovations
- Research, Internships, Co-Ops, Entrepreneurship, Leadership

**The Numbers**
- 190 T/TE Faculty
- 30 I/L
- 2,600 graduates (1400 MS, 1200 Ph.D.'s)

**The Numbers**
- 190 T/TE Faculty
- 30 I/L
- 5,000 juniors and seniors
CECS Asks for DAB

• **Connect us with your HR people** to help us drive the graduate population upwards (recruit employees for MS and Ph.D. programs)

• Helps us continue to enhance student learning, and foster student creativity and innovation (**need student support, branding of student lab spaces**, such as Harris Gathering Lab, Texas Instrument Innovation Lab, Eustace-Kwan Family Foundation Computer Programming Lab)

• Helps us recruit the best faculty in CECS (**need infrastructure/signature research labs, professorships**)

• **Connect us with your alumni friends** to increase the alumni base connected with the College (Robin Knight will inquire about that)
>>>Opportunity Starts Here
BOG Grant- CSIT TEAm Project

• In April 2014, the Florida’s Board of Governors awarded $15 million in grants to SUS institutions to produce more students for careers in the state’s highest-need areas, as identified by a comprehensive BOG GAP Analysis.

• The project titled CSIT (UCF-USF-FIU) TEAm, is an urban university coalition response to Florida’s Computer and Information Technology workforce needs.

• The CSIT TEAm project (one of four funded projects) received a monetary award of $4.9 million.
  – CSIT TEAm Lead Institution: UCF
  – CSIT TEAm Partnering Institutions: USF and FIU
  – CSIT TEAm disciplines: CS, IT, CpE, IS, MIS
  – The three universities produce more than 1,000 degrees in these disciplines and account for over than 60% of the new jobs in Florida in these majors.
CSIT TEAm Summary of Accomplishments

- We have increased our *unduplicated upper enrollments* from 5783 in 2013-14 to 6349 in 2014-15 (9.8% increase). Over the 2-year 2013-14, 2014-15 *we have increased the unduplicated upper enrollments by 23.6%* span of the CSIT TEAm grant effort, (from 5136 to 6349)

- We have increased our *degrees* from 1053 in 2013-14 to 1190 in 2014-15 (13.0% increase) surpassing our expected promised numbers. Over the 2-year 2013-14, 2014-15 span of the CSIT TEAm grant effort, *we have increased the degrees by 25.7%* (from 947 to 1190)

- We reported for the first time *employability numbers*. The employability numbers are very good with *full-time employment for our graduating students ranging from 77% to 96%*. 

12/11/2015
The BOG scorecard evaluation for the CSIT TEAm grant efforts in AY 2014-2015 has been very positive (by far, the best TEAm grant in the State). Our activities have received the following evaluation:

<table>
<thead>
<tr>
<th>Evaluation</th>
<th>Activity</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terrific Best Practice</td>
<td>Sharing On-Line Technical Electives across institutions</td>
<td>(“virtual super-university”). Making this happen across institutions is phenomenal.</td>
</tr>
<tr>
<td>Terrific Best Practice</td>
<td>Coordinating Internship and Co-op Student Opportunities (Common TEAm Internship Portal &amp; TEAm Virtual Career Fair)</td>
<td>By making use of summer offerings and streamlining course coordination and transfer credits, we will afford students the opportunity to take summer courses more easily while they are working as summer interns, even if they are in a partner city.</td>
</tr>
<tr>
<td>Terrific Best Practice</td>
<td>Recruiting Students at the Freshman and Junior Level</td>
<td>Incredibly wide scope. A wide variety of recruitment activities at the three institutions was reported.</td>
</tr>
<tr>
<td>Noteworthy</td>
<td>Enhancing Professional Student Advising and Tutoring for Gateway Courses</td>
<td>Wide scope of the advising and tutoring efforts. Significant student gains (GPS, course passing, etc.) were reported.</td>
</tr>
<tr>
<td>Noteworthy</td>
<td>Establishing the Committees mentioned in the CSIT Management Plan</td>
<td>Widespread internal/external representation.</td>
</tr>
</tbody>
</table>
The portal is housed on the TEAm website. Students from UCF, USF and FIU can login to access the portal and view the posted internships related to the CSIT TEAm majors

**Related Information**

- 290 companies posted positions
- 322 students registered
- 288 students logged in
- 2,142 positions were viewed
The three institutions held a **Virtual Career Fair (VCF)** on April 14, 2015. The VCF was organized by CareerEco, Inc.

The VCF was a very successful event; the first Virtual Career Fair in the history of career services at UCF, USF, and FIU.

Employers provided positive feedback, e.g., Nuance Communications said they interviewed stellar candidates.

**Related Information**

- 22 Employers registered for the event
- 195 students attended (audio and video) chat sessions with employers
- This virtual career fair was expanded to all disciplines in Fall 2015