College of Engineering and Computing

CEC Flowchart

Associate Dean for Academic Affairs
(vacant)

Assoc. Dean for Research and Ext. Relations
Bruce McMillin

Executive Assistant
Kelly Jackson

Office Support Assistant
Antionette Andrews

Office Support Assistant
Andrea Harris

Fiscal Manager
Mitsy Daniels
(Direct Report to Accounting/FS)

Exec. Dir. Of Development
Nolan Brunworth
(Direct Report to Development)

Chemical and Biological Engineering
Department Chair: Muthanna Al-Dahhan

Civil Architectural and Environmental Engineering
Interim Department Chair: Joel Burken

Computer Science
Department Chair: Sajal Das

Electrical and Computer Engineering
Department Chair: Daryl Beetner

Engineering Management and Systems Engineering
Interim Department Chair: Suzanna Long

Geosciences and Geological and Petroleum Engineering
Interim Department Chair: Francisca Oboh-Ikuenobe

Material Science and Engineering
Department Chair: Matthew O’Keefe

Mechanical and Aerospace Engineering
Department Chair: James Drallmeier

Mining and Nuclear Engineering
Interim Department Chair: Ralph Flori

Freshman Engineering
Director: Doug Ludlow
Department Chair Search Status Update

> Material Science and Engineering (MSE)

> Civil, Architectural and Environmental Engineering (CArEE)
  > Interview process has recently concluded.

> Mining and Nuclear Engineering (MNE)
  > On campus interviews are beginning.

> Geosciences and Geological and Petroleum Engineering (GGPE)
  > Search committee recently formed, ad is being developed for job posting.

> Engineering Management and Systems Engineering (EMSE)
  > Search initiated in the next cycle, Expected to be filled by Fall 2017.
CEC Scholarly Activities of AY 2014-15

- Peer-reviewed publications: **1989** (last 3 years)
- Conference presentations: **1317** (last 3 years)
- Books/chapters: **52** (last 9 years)
- Total Expenditures + F&A: **$23.9M**
  > ($170K/Active FTE), ($132K/FTE Total T/TT)
  > Down from $29M
- Ph.D.’s Graduated **83** (270 last three years)
Enrollment and Diversity within the College

> Enrollment:
  - 5623 undergraduate majors
  - 969 graduate majors (on campus)
  - 785 distance students (mainly graduate)
  - 8.6% under-represented minority (S&T overall is 8.9%)
  - 19% women (S&T overall is 22.9%)

  > Ceramic 43%
  > Environmental 55%
  > Geology and Geophysics 41%
Faculty and Student Growth within the College

<table>
<thead>
<tr>
<th>Year</th>
<th>Students</th>
<th>Faculty</th>
<th>SFR</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>4380</td>
<td>160</td>
<td>27.38</td>
</tr>
<tr>
<td>2006</td>
<td>4597</td>
<td>163</td>
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<td>2007</td>
<td>4845</td>
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<td>2008</td>
<td>5015</td>
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<td>28.17</td>
</tr>
<tr>
<td>2009</td>
<td>5418</td>
<td>178</td>
<td>30.44</td>
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<tr>
<td>2010</td>
<td>5819</td>
<td>177</td>
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<tr>
<td>2011</td>
<td>6058</td>
<td>185</td>
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<tr>
<td>2012</td>
<td>6216</td>
<td>178</td>
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<tr>
<td>2013</td>
<td>6697</td>
<td>181</td>
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<tr>
<td>2014</td>
<td>7097</td>
<td>207</td>
<td>34.29</td>
</tr>
<tr>
<td>2015</td>
<td>7377</td>
<td>210</td>
<td>35.13</td>
</tr>
</tbody>
</table>
Faculty Hires in 2015-16

**Dr. Nicolas Libre**, Assistant Teaching Professor, CArEE, Concrete Properties
- PhD – Civil Engineering, University of Tehran, Iran, 2009
- MS – Structural Engineering, University of Tehran, Iran, 2003
- BS – Civil Engineering, University of Tehran, Iran, 2003

**Dr. Lianyi Chen**, Assistant Professor, MAE, Nanomanufacturing
- Research Scientist – Department of Mechanical & Aerospace Engineering, UCLA, 2015
- Postdoctoral Scholar – Department of Mechanical & Aerospace Engineering, UCLA, 2014
- Research Associate – Department of Mechanical Engineering, University of Wisconsin-Madison, 2013
- PhD – Materials Science and Engineering, Zhejiang University, 2009
- BE – Metallurgical Engineering, Yanshan University, 2004

**Dr. Joseph Graham**, Assistant Professor, MNE, Next Generation Nuclear Eng
- Postdoctoral Research Associate - University of Tennessee, Knoxville and Oak Ridge National Laboratory, 2015
- PhD – Nuclear Engineering, University of Texas at Austin, 2013

**Dr. Katherine Grote**, Associate Professor, GGPE, Groundwater Analysis
- Associate Professor – University of Wisconsin-Eau Claire, 2015
- Assistant Professor – University of Wisconsin-Eau Clair, 2010
- PhD – GeoSystems Engineering, University of California, Berkeley, 2003
- MS – GeoSystems Engineering, University of California, Berkeley, 1998
- BS – Geological Engineering, Missouri University of Science and Technology, 1997
Dr. Peyman Heidari, Assistant Professor, GGPE, Reactive Transport
- Graduate Research Assistant – Department of Energy and Mineral Engineering, The Pennsylvania State University, University Park, PA, 2014
- MS - Petroleum Engineering, Amirkabir University of Technology, Tehran, Iran, 2010
- BS - Petroleum Engineering, Petroleum University of Technology, Ahwaz, Iran, 2008

Dr. Sheryl Hodges, Assistant Teaching Professor, EMSE, Organizational Mgmt
- DE/BS – Civil/Environmental Engineering, Louisiana Tech University, 1993, 1992
- MA – Geology, State University of New York at Buffalo, 1986
- BA – Geology, State University of New York at Buffalo, 1983

Dr. Jie Huang, Assistant Professor, ECE, Photonics & Sensors
- PhD – Candidate Electrical Engineering, Clemson University, 2015
- MS – Electrical Engineering, Missouri University of Science and Technology, 2012
- BS – Opto-electronics Information Engineering, Tianjin University (P.R. China), 2009

Dr. Catherine Johnson, Assistant Professor, MNE, High Explosives Safety/Effects
- PhD – University of Kentucky, 2014
- MS and BS – Engineering, University of Leeds, United Kingdom, 2012
Faculty Hires in 2015-16 (continued)

**Dr. Aditya Kumar**, Assistant Professor, MSE, Composition-Structure-Properties
- Project Scientist – University of California Los Angeles, 2015
- Postdoctoral Scholar – University of California Los Angeles, 2013
- PhD – Ecole Polytechnique Federale de Lausanne (EPFL), Switzerland, 2011
- Graduate Research Assistant – Georgia Institute of Technology, Atlanta, 2008
- BS – Indian Institute of Technology, Kanpur, India, 2007

**Dr. Hongyan Ma**, Assistant Professor, CArEE, Cement and Concrete
- PhD – Civil Engineering, Hong Kong University of Science and Technology, 2013
- M.Eng. – Structural Engineering, Shenzhen University, China, 2008
- B.Law – Chongqing University, China, 2005
- B. Eng. – Inorganic Non-metallic Materials Engineering, Chongqing University, China, 2005

**Dr. Warner Meeks**, Assistant Teaching Professor, MAE, Energy and Space Propulsion
- PhD – Missouri University of Science and Technology, 2015
- MS – Missouri University of Science and Technology, 2013
- BS – Missouri University of Science and Technology, 2010
Faculty Hires in AY 2014-15 (continued)

Dr. Jillian Schmidt, Assistant Teaching Professor, MAE, Design Theory
– PhD – Materials Science and Engineering, University of Minnesota, 2015
– BS – Aerospace Engineering and Mechanics, University of Minnesota, 2009

Dr. Zeyi Sun, Assistant Professor, EMSE, Sustainable Manufacturing
– PhD – Industrial Engineering and Operations Research, University of Illinois, Chicago, 2015
– ME – Manufacturing, University of Michigan, 2010
– BE Materials Science and Engineering, Tongji University, Shanghai China, 2002

Dr. Evgeniy Torgashov, Assistant Research Professor, GGPE, Environmental
– PhD – Geological Engineering, Missouri University of Science and Technology, 2012
– MS – Geophysics, Perm State University (Russia), 2009
– BS – Perm State University (Russia), 2006

Dr. Charles Wojnar, Assistant Professor, MAE, Active Materials in Space Structures
-- PhD – Aeronautics, California Institute of Technology, 2015
-- MS – Aeronautics, California Institute of Technology, 2011
-- BS – Aerospace Engineering, University of Illinois, 2010
Faculty Hires in 2015-16 (continued)

**Dr. Lizhu Wang**, Assistant Research Professor, **GGPE, Polymer Hyrdogrels**
- PhD – Materials Science and Engineering, The Pennsylvania State University, University Park, PA, 2014
- MS – Organic Chemistry, Marquette University, Milwaukee, WI, 2009
- BS – Applied Chemistry, Jilin University, Changchun, Jilin, China, 2003

**Dr. Mingzhi Xu**, Assistant Research Professor, **MSE, Casting Shells**
- PhD – Metallurgical Engineering, Missouri University of Science and Technology, 2015
- BS – Materials Science and Engineering, Xi’an Jiaotong University, China, 2010
2015 Faculty Promotions

Professor

– **DR. BAOJUN BAI**, Geosciences and Geological and Petroleum Engineering
– **DR. MEHDI FERDOWSI**, Electrical and Computer Engineering
– **DR. NORBERT MAERZ**, Geosciences and Geological and Petroleum Engineering
– **DR. YAHONG ROSA ZHENG**, Electrical and Computer Engineering

Associate Professor with Tenure

– **DR. DAN LIN**, Computer Science
– **DR. RUWEN QIN**, Engineering Management and Systems Engineering

Associate Teaching Professor

– **DR. ROHIT DUA**, Electrical and Computer Engineering
– **DR. RYAN HUTCHESON**, Mechanical and Aerospace Engineering
– **DR. THERESA SWIFT**, Electrical and Computer Engineering

Curators’ Professor

– **DR. JOEL BURKEN**, Civil, Architectural and Environmental Engineering
2015 Faculty Awards

Faculty Excellence Award
- Dr. Jun Fan, Electrical and Computer Engineering
- Dr. John Myers, Civil, Architectural and Environmental Engineering
- Dr. Chengshan Xiao, Electrical and Computer Engineering

Faculty Research Award
- Dr. Serhat Hosder, Mechanical and Aerospace Engineering
- Dr. Xinhua Liang, Chemical and Biological Engineering
- Dr. Dan Lin, Computer Science
- Dr. Sanjay Madria, Computer Science
- Dr. Glenn Morrison, Civil, Architectural and Environmental Engineering
- Dr. David Pommerenke, Electrical and Computer Engineering
- Dr. Xiaodong Yang, Mechanical and Aerospace Engineering

Faculty Service Award
- Dr. Mark Fitch, Civil, Architectural and Environmental Engineering
2015 Faculty Awards (continued)

Faculty Teaching Award
- Dr. Douglas Bristow, Mechanical and Aerospace Engineering
- Dr. Xiaoping Du, Mechanical and Aerospace Engineering
- Dr. Jennifer Leopold, Computer Science
- Dr. David Wronkiewicz, Geosciences and Geological and Petroleum Engineering

Faculty Achievement Award
- Mr. Clayton Price, Computer Science
- Dr. W. Eric Showalter, Civil, Architectural and Environmental Engineering
- Dr. Ryan Hutcheson, Mechanical and Aerospace Engineering

Faculty Service Learning Award
- Dr. Curt Elmore, Geosciences and Geological and Petroleum Engineering
Faculty Accolades

> Society Member Fellow Announcements

  – **Dr. Muthanna Al-Dahhan (ChBE)**, elected as an American Institute of Chemical Engineers (AIChE) Fellow
  – **Dr. Sajal Das (CS)**, elevated to IEEE Fellow
  – **Dr. Jun Fan (ECE)**, elevated to IEEE Fellow
  – **Dr. Kamal Khayat (CarEE)**, named Fellow of RILEM, International Union of Laboratories and Experts in Construction Materials, Systems and Structure
  – **Dr. Suzanna Long (EMSE)**, named Fellow of the ASEM and received the Franklin Woodbury Award
  – **Dr. Joe Newkirk (MSE)**, named Fellow of the ASM
  – **Dr. Dave Richardson (CarEE)**, named Fellow of the American Concrete Institute
  – **Dr. Jagannathan Sarangapani (ECE)**, elevated to IEEE Fellow
  – **Dr. Lesley Sneed (CarEE)**, elevated to a Fellow of the American Concrete Institute (ACI)

> National Science Foundation CAREER Award

  – **Dr. Xiaodong Yang (MAE)** - 2015
  – **Dr. Zhaozheng Yin (CS)** - 2014
Faculty Accolades

> University of Missouri Research Board Grant Recipients
  – Dr. Lianyi Chen (MAE)
  – Dr. Wen Deng (CAREE)
  – Dr. Jie Huang (ECE)
  – Dr. Catherine Johnson (MNE)

> Society of Petroleum Engineers (SPE) 2015 Distinguished Membership Award
  – Dr. Shari Dunn-Norman, SPE’s highest honor and awarded to >.01% of the society’s membership annually

> Published in Nature Scientific Reports (Impact Factor: 5.6)
  – Dr. Jie Gao (MAE), Dr. Xiaodong Yang (MAE) and Dr. Lianyi Chen (MAE)

> In The News
  – Dr. Dave Van Aken (MSE), received the 2016 AIME Mathewson Medal Award at TMS Annual Meeting
  – Dr. Robert Holmes (CAREE), appeared on The Weather Channel and other major news outlets discussing Missouri floods and Mississippi River Hydraulics
  – Dr. Bruce McMillin (CS), elected to the IEEE Computer Society Board of Governors and appointed to the Computer Science Accreditation Board of Directors (a participating body of ABET)
Faculty Accolades (continued)

– **Dr. Von Richards (MS)**, received the **Thomas E. Barlow Award of Honor** from the Steel Founders Society in Chicago and named **Distinguished Advisor** for American Foundry Society (AFS) S&T Student Chapter.

– **Dr. Josh Rovey (MAE)**, received the **2016 Lawrence Sperry Award** from American Institute of Aeronautics and Astronautics (AIAA) in January of this year.

– **Dr. Joe Stanley (ECE)**, received the **IEEE-USA Professional Achievement Award** and the **IEEE Outstanding Educator Award** for the St. Louis Region.

– **Dr. Chengshan Xiao (ECE)**, earned the 2015 **Institute of Electrical and Electronic Engineers (IEEE) Wireless Communications Technical Committee Recognition Award**

– **Dr. Steve Watkins (ECE)**, elected to the **Board of Governors of the IEEE Education Society**

– **Dr. Reza Zoughi (ECE)**, elected president of the **IEEE Instrumentation and Measurement Society**
Faculty Searches in AY 2015-16

• Best in Class – Advanced Manufacturing (1 targeted hire)
• Best in Class – Advanced Materials (1 targeted hire)
• Best in Class – Smart Living (3 targeted hires)
• Chemical and Biological Engineering
  – Assistant Professor (new strategic hire-NTT, professor of the practice)
• Civil, Architectural, and Environmental Engineering
  – Chair and Professor (replacement-TT)
  – Assistant Professor (replacement-NTT, archE-building systems area)
  – Assistant Professor (replacement-TT, related to Abbott position, structures area)
  – Assistant/Associate Professor (replacement-TT, geotech area)
  – MAPA Chair (new endowed faculty line-TT, asphalt-materials area, continued from 2013-14)
Faculty Searches in AY 2015-16 (continued-2)

• Computer Science
  - Assistant Professor (replacement-TT, continuing search from 2014-15)
  - Assistant Professor (replacement-TT)
  - Assistant Teaching Professor (replacement-NTT)

• Electrical and Computing Engineering
  - Assistant Professor (new-TT, strategic hire, controls area)
  - Assistant Professor (new-TT, strategic hire, EMC)
  - Cindy Tang Endowed Professor (replacement-TT)
  - Professor (new-TT, for Ferguson line)

• Engineering Management and Systems Engineering
  - Associate/Full Professor (new-TT, approved for Sarchet endowed chair, position ad yet to be placed)
Faculty Searches in AY 2015-16 (continued-3)

- Geosciences and Geological and Petroleum Engineering
  - Assistant Professor (new, NTT, strategic hire)
  - Assistant Professor (replacement, TT, G&G)
  - Assistant Professor (replacement, NTT, Pet Eng)

- Materials Science and Engineering
  - Associate/Full Professor (replacement-TT, due to retirement, wolf professor)

- Mechanical and Aerospace Engineering
  - Assistant Professor (replacement-TT)
College of Engineering and Computing

Faculty Searches in AY 2015-16 (continued-4)

• Mining and Nuclear Engineering
  – Chair and Professor (replacement-TT)
  – Assistant Professor (replacement-TT, explosives)

• Joint Hire: GGPE/MNE
  – Assistant Professor (new-TT, strategic hire)

• Cluster Hire: CS/ECE/EMSE
  – Open Rank Professor (new-TT, strategic hire)
Recent CEC Efforts to Raise Visibility of the College

- Raise Visibility and Awareness of the College
  - External Universities: 2015 ASEE National Convention, Seattle, Washington
  - Student Constituency: Fall 2015 Career Fair
  - Corporate/Hiring Constituency: Spring 2016 Career Fair
  - Prospective Students and Parents: Fall and Spring Open Houses
  - External Universities: 2016 ASEE National Convention, New Orleans, LA
    - Involve Student Design Team Director and Student Leaders
ASEE Annual Conference; Seattle, Washington
Recent CEC Efforts to Enhance Reputation & Ranking

- Targeted External Material to Peer and Aspirational Universities (Dec. 2015)
  - Sent Immediately Prior to US News and World Report Graduate Program Survey Rankings
  - Strategically Targeted
  - College Announcement
  - Included CEC Facts Sheet & Glass Paperweight
  - Memorable Item Linked to Missouri S&T
    (from our glass shop, Thanks Mary R. & Students!!)
  - Details about our Glass Shop
New College Initiatives and Efforts

- **Implementation this Spring Semester:**
  - **CEC Newsletter**
  - **CEC Faculty Excellence Award**
    - Objective is to help build institutional loyalty
    - One-time recognition for major external accomplishment
    - Nominations sought from Department CEC Chairs
  - **CEC Deans’ Scholar**
    - Focused on retention of Junior Faculty and Mid-Career Faculty
    - Nominations sought this spring for implementation to award Titled Positions Fall 2016
    - 2-Year Titled Position
    - $5000 Funds to Support the Faculty Member Efforts
  - **Proposal Enhancement**
    - Mentoring Mondays and Feedback Fridays (with CASB)
    - Major Proposals NSF ERC, GAANN, NIH (with CASB)
New Proposed College Initiatives and Efforts for Vetting

- Forward Looking Reward Structure
  - CEC Mentor Recognition Program
  - CEC Dean’s Department Teaching Award
    > Recognition for sustained department teaching excellence
  - CEC Student Appreciation Series
    > College sponsored events which rotate among CEC Departments to engage and show appreciation to our students
  - CEC Graduate Student Recognition
    > Outstanding Dissertation Award
    > Outstanding Thesis Award
    > Outstanding Teaching Assistant Award
  - CEC Dean’s Graduate Student Fellowships
    > Fellowships focused for MS students (if other campus efforts remain PhD focused)
  - CEC Dean’s Graduate Student Travel Grants
    > To help assist in technology transfer and student exposure
New Proposed College Initiatives and Efforts for Vetting

- Forward Looking Reward Structure
  - CEC Deans’ Teaching Scholar
    > Focused on retention of NTT Teaching Faculty
    > 1-Year Titled Position
  - CEC Deans’ Research Scholar
    > Focused on retention of NTT Research Faculty
    > 2-Year Titled Position
Items Being Worked on currently at the College Level

**Faculty Related**

- **CEC College Sabbatical Policy (completed)**
  > Development of sabbatical leave policy for the college

- **CEC College Start-up Policy (completed)**
  > Development of start-up policy for the college

- **CEC H1B Residency Support Policy**
  > Development of college wide policy for assisting of international faculty hires

- **CEC Workload Model (completed)**
  > Developed by the CEC Faculty Task Force and Department Chairs
  > Provides a framework for departments to develop their own workload models (several already have established policies)

- **Campus Task Force to Examine College Resource**
  > Task force examining necessary college resources and responsibilities with said resources
Update on College Resource and Budget

> **Current college Operating Budget per Year: $75,000**
  - This budget (and DEI source below) needs to cover day to day CEC operating expenses and other commitments such as 1 FEP advisor position, FEP training, assoc. dean summer support, and various requests to the college that have been supported/committed.

> **In addition, the college currently receives a 5% return from Distance Education:**
  - **$143,150 (most recent disbursement this Feb. for Fall 2015)**
  - This new return originates from the Global Learning portion and not from the amount dispersed to departments. As a comparison, departments received $1,326,527 and the provost’s office $165,816.

> **Prior to 2008, the previous school received return on SRI.**

> **CEC Chairs/Dean’s Office submitted a roadmap in January to form a College Resource Task Group to examine and address the college resources and resource responsibilities.**
  - Committee Co-Chaired by Robert Marley and Walt Branson
  - CEC members: John Myers, Jim Drallmeier, and Wayne Huebner
  - CASB members: Steve Roberts, Kris Swenson, VA Samaranayake
  - Anthony Petrov / Mary Jo Richards and Lisa Cerney (ex officio)
## Suggested Timetable for College Resource and Int. Dean

<table>
<thead>
<tr>
<th>Task</th>
<th>Responsibility</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email to the faculty announcing acting dean and interim selection process</td>
<td>Provost</td>
<td>Jan. 7</td>
</tr>
<tr>
<td>Determine resources available to College and Dean</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Form committee</td>
<td>Provost</td>
<td>Jan. 15</td>
</tr>
<tr>
<td>First meeting of committee / committee charge</td>
<td>Provost</td>
<td>Jan. 25</td>
</tr>
<tr>
<td>Delivery of first draft</td>
<td>Committee</td>
<td>Feb. 26</td>
</tr>
<tr>
<td>Feedback from administration</td>
<td>Provost/Chancellor</td>
<td>Mar. 11</td>
</tr>
<tr>
<td>Committee recommendation</td>
<td>Committee</td>
<td>Mar. 25</td>
</tr>
<tr>
<td>Final decision, Provost and Chancellor</td>
<td>Provost/Chancellor</td>
<td>Apr. 4</td>
</tr>
<tr>
<td>Selection of interim</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Review list of nominations</td>
<td>CEC Chairs</td>
<td>Jan. 21</td>
</tr>
<tr>
<td>Chairs meet with Provost</td>
<td>Chairs/Provost</td>
<td>Week of Jan. 25</td>
</tr>
<tr>
<td>Submit revised list of candidates to Provost</td>
<td>CEC Chairs</td>
<td>Feb. 4</td>
</tr>
<tr>
<td>Negotiate with candidates</td>
<td>Provost</td>
<td></td>
</tr>
<tr>
<td>New interim begins</td>
<td></td>
<td>May 15</td>
</tr>
<tr>
<td>Recruit permanent dean</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chairs meet with Provost for recruitment plan</td>
<td>CEC Chairs/Provost</td>
<td>Week of Feb. 15</td>
</tr>
<tr>
<td>Develop draft for position statement</td>
<td>College</td>
<td>TBD</td>
</tr>
<tr>
<td>Develop draft for ad</td>
<td>College</td>
<td>TBD</td>
</tr>
</tbody>
</table>

### Request to Provost
- **Formation of Task Force**
- **First Task Force Mtg (Mar. 30, 2016)**
Where do **WE** want to go as a College?
Forward Actions for Discussion

> Vetting of CEC Strategic Plan with Stakeholders
  - Engineering and Computing Advisory Board ✓
  - Department Chairs ✓
  - Curators Professors ✓
  - Chaired Professors ✓
  - Full/Associate/Assistant Professors (in progress)
  - Student Leaders
  - Staff

> Examine Needs for College Operations and Committees

> Review Faculty, Staff, and Student Recognition Programs
College of Engineering and Computing (CEC)
Mission Statement

The college brings together students, educators, researchers and industry to develop the next generation leaders who advance all disciplines of engineering and computing in order to foster technological and economic growth, with social impact locally and globally.
CEC Strategic Plan-Major Themes and Goals

> Develop & inspire creative thinkers & leaders for life-long success
  - Develop Faculty
  - Develop Students

> Enhance reputation and raise visibility
  - Increase the visibility of the College of Engineering and Computing
  - Create a college enrollment management plan in alignment with campus-wide enrollment management
CEC Strategic Plan-Major Themes and Goals

> Achieve sustainable growth to ensure best return on investment
  - Improve departmental productivity measures to meet 2020 campus goal
  - Develop and maintain world-class facilities
  - Promote inclusion, increase diversity, and improve retention of faculty to remain relevant and competitive in a global environment

> Increase and facilitate meaningful access to and interaction with renowned faculty, staff and services
  - Shorten time to degree
  - Improve freshman to sophomore retention rates
  - Increase number of blended courses
  - Increase the number of online engineering graduate programs
  - Increase the number of Ph.D. students per tenured, tenure-track faculty
College of Engineering and Computing

Thank You!