vision

To establish ASU as the model for the New American University, measured not by who we exclude, but rather by who we include and how they succeed; pursuing research and discovery that benefits the public good; assuming major responsibility for the economic, social and cultural vitality and health and well-being of the community.
Establish ASU as the global center for interdisciplinary research, discovery and development by 2020

Demonstrate American leadership in academic excellence and accessibility

Establish national standing in academic quality and impact of colleges and schools in every field

Enhance our local impact and social embeddedness
The Context for Planning in 2013

Now an institution of national prominence

Substantial public service to Arizona’s students and families, business community/employers, the state’s economic development, and the region’s cultural vitality

Reaction to state cuts focused on innovative innovative forms of cost-savings to preserve the core and to allow advances during a period of stress

Committed to finding pathways to succeed through the enterprise by embracing an enterprise

Highly engaged in national efforts to find the innovations in education
Declining State Fiscal Support for Higher Education per $1000 of Personal Income


National Average

Arizona
ASU as Knowledge Enterprise

The products of a knowledge enterprise are people and ideas

“People production” can be seen in degrees

- ASU awarded 18,045 degrees in 2011-12

Research activity can serve as a proxy for “idea production”

- ASU research expenditures were $385,000,000 in FY12
Staffing “Bloat” is Not an Issue at ASU
FTE staff per 100 FTE Students compared universities in the news

<table>
<thead>
<tr>
<th></th>
<th>Fall 2008</th>
<th>Fall 2009</th>
<th>Fall 2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASU</td>
<td>15.56</td>
<td>16.61</td>
<td>12.91</td>
</tr>
<tr>
<td>U Nebraska-Lincoln</td>
<td>26.32</td>
<td>26.25</td>
<td>26.05</td>
</tr>
<tr>
<td>U Minnesota-Twin Cities</td>
<td>39.09</td>
<td>36.63</td>
<td>34.78</td>
</tr>
<tr>
<td>All 4-Year Publics</td>
<td>16.61</td>
<td>14.09</td>
<td>12.91</td>
</tr>
</tbody>
</table>
Something New in Shock-thriller Education

MOOC HYSTERIA

starring
Stanford University
University of Virginia
<insert your institution here>

Produced by Daphne Koller
Directed by Sebastian TBrun
ASU Strategic Enterprise Plan: Resources Cost Effectiveness

ASU will maintain a cost per degree produced that is substantially below the national average for highly productive public research universities.

IPEDS FY11 results: ASU’s $59,700 in state funds and tuition/fees per degree awarded is:

21% below the median of all public VH research universities ($75,900)

19% below public VH research universities without medical schools ($74,500)

If costs were at the national average, ASU would be spending about $250 million more annually
Challenges & Solutions: Research

History and Rankings
ASU Research Expenditures: 1980-2012
ASU Research Expenditures: 1980-2020

The chart shows the trends in ASU research expenditures from 1980 to 2020. The y-axis represents the millions of dollars spent on research, ranging from $0 to $700 million, and the x-axis represents the years from 1980 to 2020. The data indicates a significant increase in research expenditures over the period, with a steep rise from 2010 onwards.
Research Expenditure Rankings 1980 - 2010

Source: National Science Foundation
Total Research Expenditures

ASU achieved $386 million in total research expenditures, representing an 8.7% growth over FY11 and more than 200% growth since FY02.

Continuing to increase our growth across all disciplines and with and increasing number of federal funding agencies

- Total Federal Research Expenditures 62 of 912
  Ahead of UC- Irvine, University of Virginia

- Total Research Expenditures among Institutions without a medical school 17 of 765*
  Ahead of Princeton, and Carnegie Mellon

- Non-Science & Engineering Total Research Expenditures 19 of 912
  Ahead of Vanderbilt and MIT

- Social Sciences Total Research Expenditures 8 of 912
  Ahead of Cornell, Harvard, Stanford, Columbia and Duke

- Humanities Total Research Expenditures 14 of 912
  Ahead of UC-Berkeley, Ohio State and University of Maryland – College Park

- Recipient of NSF Funding by Total Value of Awards 21
  Ahead of Carnegie-Mellon and Harvard

- Non-Medical School Recipient of NIH Funding by Number of Awards 8
  Ahead of Princeton, University of Oregon and University of Delaware
Ranking Summary

Total Federal Research Expenditures 62 of 912
Non-medical Research Expenditures 34 of 765
Total Research Expenditures without a Medical School* 17
Non-Science & Engineering Total Research Expenditures 19 of 912
Social Sciences Total Research Expenditures 8 of 912
Humanities Total Research Expenditures 14 of 912
Recipient of NSF Funding by Total Value of Awards 21
Recipient of NSF Funding by Number of Awards 17
Non-Medical School Recipient of NIH Funding by Total Value of Awards 7
Non-Medical School Recipient of NIH Funding by Number of Awards 8

*calculated by OKED Research Analytics
## New Sources of Funding (annually)

<table>
<thead>
<tr>
<th>Source</th>
<th>Annual Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Research Center Creation and Acquisition + Non-traditional Models</strong></td>
<td>$150 million (+ “X”)</td>
</tr>
<tr>
<td>FFRDC, ASURE</td>
<td></td>
</tr>
<tr>
<td><strong>Large Scale Collaborative Project Acquisition</strong></td>
<td>$50 million</td>
</tr>
<tr>
<td>BDI: DTRA, GIOS: Walton, LightWorks: DOE, NSF ERC</td>
<td></td>
</tr>
<tr>
<td><strong>Corporate and Industry Sponsored Research</strong></td>
<td>$50 million</td>
</tr>
<tr>
<td>Intel, Boeing, Raytheon</td>
<td></td>
</tr>
<tr>
<td><strong>Global</strong></td>
<td>$50 million</td>
</tr>
<tr>
<td>USAID, World Bank, MCC</td>
<td></td>
</tr>
<tr>
<td><strong>Organic Diversified Growth Led by World Class Faculty and Infrastructure</strong></td>
<td>$400 million</td>
</tr>
</tbody>
</table>
## 2010 NSF Survey Data

<table>
<thead>
<tr>
<th>Industry funded research ranking</th>
<th>University (no med school)</th>
<th>Industry funded research</th>
<th>% of total research</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MIT</td>
<td>102,894</td>
<td>14%</td>
</tr>
<tr>
<td>2</td>
<td>SUNY Albany</td>
<td>77,442</td>
<td>23%</td>
</tr>
<tr>
<td>3</td>
<td>UC Berkley</td>
<td>72,815</td>
<td>14%</td>
</tr>
<tr>
<td>4</td>
<td>Purdue</td>
<td>66,631</td>
<td>15%</td>
</tr>
<tr>
<td>5</td>
<td>UT Austin</td>
<td>49,059</td>
<td>10%</td>
</tr>
<tr>
<td>6</td>
<td>GA Tech</td>
<td>43,885</td>
<td>8%</td>
</tr>
<tr>
<td>7</td>
<td>NC State</td>
<td>40,531</td>
<td>11%</td>
</tr>
<tr>
<td>8</td>
<td>TX A&amp;M</td>
<td>34,622</td>
<td>5%</td>
</tr>
<tr>
<td>9</td>
<td>VA Tech</td>
<td>20,444</td>
<td>5%</td>
</tr>
<tr>
<td>10</td>
<td>U IL Urbana-Champaign</td>
<td>19,312</td>
<td>3%</td>
</tr>
<tr>
<td>11</td>
<td>CO State</td>
<td>19,090</td>
<td>6%</td>
</tr>
<tr>
<td>12</td>
<td><strong>ASU</strong></td>
<td><strong>17,696</strong></td>
<td><strong>6%</strong></td>
</tr>
<tr>
<td>13</td>
<td>Rutgers</td>
<td>12,647</td>
<td>4%</td>
</tr>
<tr>
<td>14</td>
<td>U MD, College Park</td>
<td>11,235</td>
<td>3%</td>
</tr>
<tr>
<td>15</td>
<td>WA State</td>
<td>8,963</td>
<td>3%</td>
</tr>
<tr>
<td>16</td>
<td>CA Institute of Tech</td>
<td>8,756</td>
<td>3%</td>
</tr>
<tr>
<td>17</td>
<td>U of GA</td>
<td>6,427</td>
<td>2%</td>
</tr>
<tr>
<td>18</td>
<td>Rockefeller U</td>
<td>2,327</td>
<td>1%</td>
</tr>
</tbody>
</table>
Research Expenditures from NIH Grants
Universities with and without medical schools

Does not have a medical school ($3.2B)
14%

Has a medical school ($19.7B)
86%

$22.9B in FY 2011

Mission: To build, test, deliver and disseminate obesity solutions that work for real people in real world.
<table>
<thead>
<tr>
<th>Kinesiology</th>
<th>Exercise science</th>
<th>Urban planning</th>
<th>Marketing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neurology</td>
<td>Surgery</td>
<td>Pediatrics</td>
<td>Smoking cessation</td>
</tr>
<tr>
<td>Psychiatry</td>
<td>Cancer Center</td>
<td>Obesity treatment</td>
<td>Primary care</td>
</tr>
<tr>
<td>Sleep</td>
<td>Micro-electronics</td>
<td>Individualized Medicine</td>
<td>Clinical trials</td>
</tr>
<tr>
<td>Humanities</td>
<td>Endocrinology</td>
<td>Center for Innovation</td>
<td>Diabetes</td>
</tr>
<tr>
<td>Engineering &amp; Biodesign</td>
<td>Complex Adaptive Systems</td>
<td>Sustainability</td>
<td>Journalism</td>
</tr>
<tr>
<td>Bioinformatics</td>
<td>Social science</td>
<td>Health delivery</td>
<td>Architecture</td>
</tr>
<tr>
<td>Math/Epidemiology</td>
<td>Law</td>
<td>Public policy</td>
<td>Science of health care delivery</td>
</tr>
<tr>
<td>Nursing</td>
<td>Genetics</td>
<td>Health communication</td>
<td>Nutrition</td>
</tr>
</tbody>
</table>
Arizona Population Projections
Total Population (thousands)

New projections are 12% to 18% below earlier ones, but vary substantially by age group.

- UG resident as % of 15-19 & 20-24 year olds
- In-person only

FY13 actual: 4.63% of target group enrolled overall, with .02% in online programs

Beginning of New American University: 4.1% of target population enrolled

Require in-person enrollment of 4.4% to achieve in-person goals

Require overall enrollment of 4.65%, with .2% in online to achieve overall goals
California Freshman Enrollment

5-year difference

<table>
<thead>
<tr>
<th></th>
<th>Fall 08</th>
<th>Fall 09</th>
<th>Fall 10</th>
<th>Fall 11</th>
<th>Fall 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>App</td>
<td>4526</td>
<td>4678</td>
<td>5649</td>
<td>6420</td>
<td>6776</td>
</tr>
<tr>
<td>Admit</td>
<td>3561</td>
<td>3736</td>
<td>4132</td>
<td>4632</td>
<td>4993</td>
</tr>
<tr>
<td>Enroll</td>
<td>792</td>
<td>811</td>
<td>1062</td>
<td>985</td>
<td>1060</td>
</tr>
</tbody>
</table>

Application: +49.71%
Admit: +40.21%
Enroll: +33.84%
International Freshmen Enrollment

5-year difference

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>App</td>
<td>Admit</td>
</tr>
<tr>
<td>2008</td>
<td>998</td>
<td>517</td>
</tr>
<tr>
<td>2009</td>
<td>1553</td>
<td>759</td>
</tr>
<tr>
<td>2010</td>
<td>2259</td>
<td>938</td>
</tr>
<tr>
<td>2011</td>
<td>2745</td>
<td>1108</td>
</tr>
<tr>
<td>2012</td>
<td>3617</td>
<td>1537</td>
</tr>
</tbody>
</table>

- Application: +262.42%
- Admit: +599.61%
- Enroll: +358.12%

2008-2012:
- Application: +262.42%
- Admit: +599.61%
- Enroll: +358.12%
## Revenue Equivalents

<table>
<thead>
<tr>
<th>Enrollment Outcome</th>
<th>Number of Students</th>
<th>Estimated Gross Tuition Revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-time full time freshman retention - 1% gain (over most recent cohort rate)</td>
<td>84</td>
<td>$1,162,900</td>
</tr>
<tr>
<td>Master's first time full time retention - 1% gain (over most recent cohort rate)</td>
<td>56</td>
<td>$982,300</td>
</tr>
<tr>
<td>Transfer admit yield - 1% gain (over 2013 targets)</td>
<td>93</td>
<td>$1,117,500</td>
</tr>
<tr>
<td>International freshman admit yield - 1% gain (over 2013 targets)</td>
<td>29</td>
<td>$296,900</td>
</tr>
<tr>
<td>International transfer admit yield - 1% gain (over 2013 targets)</td>
<td>5</td>
<td>$82,600</td>
</tr>
<tr>
<td>International master's admit yield - 1% gain (over 2012)</td>
<td>26</td>
<td>$630,900</td>
</tr>
<tr>
<td>Online undergraduate admit yield - 1% gain (over 2012)</td>
<td>27</td>
<td>$305,200</td>
</tr>
<tr>
<td>Online graduate admit yield - 1% gain (over 2012)</td>
<td>11</td>
<td>$275,500</td>
</tr>
</tbody>
</table>

California student revenue (Fall 2012 enrollment)

- **First-Time Freshmen**
  - 1,147 $21,767,800
- **New Transfers**
  - 798 $12,803,900
- **Continuing/Readmit**
  - 3,418 $66,313,700
- **Total Undergraduates**
  - 5,363 $100,885,400

- **Master's Students**
  - 477 $5,562,800

**TOTAL**
- 5,840 $106,448,200
Comparison:
Fulltime Instructional Faculty

Percent of Fulltime Faculty

GCU: 6.0%
U Phoenix: 6.8%
ASU: 92.2%
Comparison: Student Success

First year retention

GCU: 41.5%
U Phoenix: 50.0%
ASU: 82.5%
Challenges and Solutions: Degrees Awarded

Barrett Honors College
October 28, 2012

Top Producers of U.S. Fulbright Students by Type of Institution, 2012-13

<table>
<thead>
<tr>
<th>Research Institutions</th>
<th>Number of Applications</th>
<th>Number of Awards</th>
</tr>
</thead>
<tbody>
<tr>
<td>U. of Michigan at Ann Arbor</td>
<td>141</td>
<td>40</td>
</tr>
<tr>
<td>Harvard U.</td>
<td>132</td>
<td>31</td>
</tr>
<tr>
<td>Brown U.</td>
<td>85</td>
<td>29</td>
</tr>
<tr>
<td>U. of Chicago</td>
<td>102</td>
<td>24</td>
</tr>
<tr>
<td>U. of California at Berkeley</td>
<td>97</td>
<td>23</td>
</tr>
<tr>
<td>Yale U.</td>
<td>98</td>
<td>23</td>
</tr>
<tr>
<td>Arizona State U.</td>
<td>58</td>
<td>23</td>
</tr>
<tr>
<td>Columbia U.</td>
<td>79</td>
<td>22</td>
</tr>
<tr>
<td>Northwestern U.</td>
<td>101</td>
<td>22</td>
</tr>
<tr>
<td>U. of Texas at Austin</td>
<td>77</td>
<td>22</td>
</tr>
<tr>
<td>Rutgers U.</td>
<td>111</td>
<td>21</td>
</tr>
<tr>
<td>U. of Minnesota-Twin Cities</td>
<td>68</td>
<td>19</td>
</tr>
<tr>
<td>Boston College</td>
<td>64</td>
<td>18</td>
</tr>
<tr>
<td>Michigan State U.</td>
<td>63</td>
<td>17</td>
</tr>
<tr>
<td>Stanford U.</td>
<td>74</td>
<td>15</td>
</tr>
<tr>
<td>U. of Pittsburgh</td>
<td>54</td>
<td>15</td>
</tr>
<tr>
<td>U. of California at Los Angeles</td>
<td>53</td>
<td>15</td>
</tr>
<tr>
<td>American U.</td>
<td>48</td>
<td>14</td>
</tr>
<tr>
<td>Duke U.</td>
<td>36</td>
<td>14</td>
</tr>
<tr>
<td>Georgetown U.</td>
<td>61</td>
<td>14</td>
</tr>
<tr>
<td>U. of Maryland at College Park</td>
<td>48</td>
<td>14</td>
</tr>
<tr>
<td>U. of North Carolina at Chapel Hill</td>
<td>61</td>
<td>14</td>
</tr>
<tr>
<td>U. of Wisconsin at Madison</td>
<td>53</td>
<td>14</td>
</tr>
<tr>
<td>Washington U. in St. Louis</td>
<td>62</td>
<td>14</td>
</tr>
<tr>
<td>U. of Georgia</td>
<td>68</td>
<td>13</td>
</tr>
<tr>
<td>Florida State U.</td>
<td>51</td>
<td>12</td>
</tr>
<tr>
<td>George Washington U.</td>
<td>54</td>
<td>12</td>
</tr>
<tr>
<td>U. of Illinois at Urbana-Champaign</td>
<td>55</td>
<td>12</td>
</tr>
<tr>
<td>Cornell U.</td>
<td>54</td>
<td>11</td>
</tr>
<tr>
<td>Emory U.</td>
<td>52</td>
<td>11</td>
</tr>
<tr>
<td>Princeton U.</td>
<td>67</td>
<td>11</td>
</tr>
<tr>
<td>U. of Florida</td>
<td>61</td>
<td>11</td>
</tr>
<tr>
<td>U. of South Carolina at Columbia</td>
<td>28</td>
<td>11</td>
</tr>
<tr>
<td>College of William and Mary</td>
<td>47</td>
<td>10</td>
</tr>
<tr>
<td>Johns Hopkins U.</td>
<td>79</td>
<td>10</td>
</tr>
<tr>
<td>Ohio State U.</td>
<td>44</td>
<td>10</td>
</tr>
<tr>
<td>Pennsylvania State U. at University Park</td>
<td>56</td>
<td>10</td>
</tr>
<tr>
<td>Syracuse U.</td>
<td>38</td>
<td>10</td>
</tr>
<tr>
<td>U. of Southern California</td>
<td>68</td>
<td>10</td>
</tr>
<tr>
<td>U. of Nebraska at Lincoln</td>
<td>27</td>
<td>9</td>
</tr>
</tbody>
</table>
SOLUTIONS initiative

DEVELOPMENT  AFFINITY  SOLUTIONS  ENTERPRISE  ASSETS
SOLUTIONS Platforms

- NEW HEALTH
- NEW TEACHER
- NEW LEARNER
- NEW CITY
- BETTER DESIGNS+
- DECISIONS
- UNIVERSITY AS ENTERPRISE
The inspiration for this project is Arizona State University and the policies of productive states, systems, and institution promoted though Lumina’s Four Steps to Finishing First policy agenda.

The purpose of this one-year, $503,000 project is to deepen understanding of the operational and financial strategies used by 21st Century American Universities and their two-year college partners, to build greater support for such strategies, and to identify public policies (state and federal) that can promote greater adoption of such models.
Growth in Number of Degree-Seeking Students

- 2010: 1819
- 2011: 3023
- 2012: 5094
- 2013: 8133
College graduates achieve social-economic mobility

Children born into low income families tend to remain low income without college.

The Future is Now

Cognitive non-routine occupations grow and recover

Manual non-routine occupations grow and recover

Routine occupations plunge and do not recover.
Cumulative Base Expenditures Requirements

Salary Increase Pools
FY14 to FY20

Salary increase pool at average of 2.5%  
At 4% to ease market gap
Tuition, Fee, and State Appropriations per Degree Awarded
All Very High Research Public Universities
IPEDS FY2011

Median per degree = $75,864

$59,698
Tuition, Fee, and State Appropriations per Degree Awarded
Very High Research Public Universities without Medical Schools
IPEDS FY2011

Median per degree = $74,531

$59,698
Tuition, Fee, and State Revenue per Degree Awarded
Very High Research Universities with Revenue over $700M
IPEDS FY2011
Tuition, Fee, and State Revenues per FTE & Degrees Awarded
Very High Research Universities with $15,000 to $18,000 in Revenue per FTE
IPEDS FY2011
Total ASUF Endowment

* TO DATE
Amount To ASU

Millions

$0 $10 $20 $30 $40 $50 $60 $70

Projected Growth

Millions


PROJECTED NEW GIFTS AND COMMITMENTS
PROJECTED AMOUNT TO ASU
### College of Liberal Arts and Sciences

#### Overview

<table>
<thead>
<tr>
<th>Category</th>
<th>CLAS</th>
<th>UO (AAU)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student FTE</td>
<td>28,375</td>
<td>24,447</td>
</tr>
<tr>
<td>Total Faculty</td>
<td>1,326</td>
<td>&gt;800</td>
</tr>
<tr>
<td>Total Research Expenditures</td>
<td>$150M</td>
<td>$121M</td>
</tr>
<tr>
<td>NSF Grants</td>
<td>280</td>
<td>144</td>
</tr>
<tr>
<td>NSF CAREER Awards</td>
<td>13</td>
<td>4</td>
</tr>
</tbody>
</table>
Projected Capital Infrastructure Investments to 2020

Limited facility expansion for University teaching support
- Accommodate faculty growth in Tempe
- Nearer-term enrollment growth support in Downtown Phoenix
- Longer-Term enrollment growth support at West and Polytechnic
- New program development at all campuses

Repairs and Rehabilitation
- Address deferred maintenance on all campuses
- Facilities rejuvenation to support retention and graduation in Tempe
- Sun Devil Stadium refurbishment
- Regular technology refreshment

New platforms
- Colleges @ASU
- Partnership locations
- Start-up equipment

Research Facilities
- Expand research infrastructure to accommodate growth (post-ISTB 4)
- Existing facility upgrades as new faculty are added

Total capital needs for teaching and student support

Total capital needs for research

Total capital needs

$300 million

$350 million

$25 million

$563 million

$675 million

563 million

$1.238 billion
Ira A. Fulton Schools of Engineering

our assignment

- Graduate more engineers
- Increase research enterprise
- Generate needed resources
increase research impact

impact:
- talent
- technology
- solutions
- products
- start-ups

metric:
$150m per year in external funding
starting point: FY2012

$75.1\text{M} \text{ research awards} \quad (+9.4\%)$

$77.6\text{M} \text{ research expenditures}

31 \text{ patents} \quad 2010-2012$

220 \text{ faculty}$

1,000+ \text{ students conducting research}$

101 \text{ invention disclosures} \quad +42\% \text{ over FY 2011}$

$6.1\text{M} \text{ industry awards} \quad \text{over past year}$

research themes
- education
- energy
- health security
- sustainability
research growth plan

1. Reduce productive faculty attrition
   - $1.5M/yr

2. Recruit five mid-career productive faculty each year
   - $1.5M/yr

3. Recruit 15 junior faculty each year, with 70% at $200K/year within 3 years
   - $2M/yr

4. Grow self-funded research faculty by four each year
   - $1M/yr

5. Nurture transdisciplinary research clusters focused on grand challenge themes
   - $1M/yr

6. Win a major center each year and sustain for at least a decade
   - $2M/yr

7. Natural growth rate of expenditures
   - $5M/yr

Total growth rate per year $14M/yr
building engineers from day one

excite and attract
- FLL
- BEST
- MESA
- Robotics camp
- Engineering Open House

expose
- E2 Camp
- eSpace
- Tutoring Center
- Residential Community

experiential learning
- EPICS
- FURI
- UGTA
- Internships
- Competitions
- Organizations

expedited education
- 4+1 programs
- Online learning
- MAPPS

career preparation
- Engineering career center
- Career exploration and coaching
- Internships
- Engineering career fairs

creating an engineering culture of mentoring
8,775
fall 2012
enrollment (+13%)

1,542
first-time freshmen (+21%)

student quality
15%+ of engineering undergraduates are enrolled in the honors college (highest % at ASU) FALL 2012

151 National Merit Scholars
1207/26 average SAT/ACT

1,653 degrees granted, 2011-12
843 baccalaureate degrees
810 graduate degrees
23% increase over 2010-11

18 Flinn Scholars
6 Gates Millennium Scholars
1 National Achievement Scholar
58 National Hispanic Scholars

FALL 2012

fulton engineering students
high-achieving students

FlashFood
FIRST-PLACE FINISH
MICROSOFT IMAGINE CUP

33 Buckets
TOP-FIVE FINISH, DELL SOCIAL INNOVATION CHALLENGE

Madeline Grade
MARSHALL SCHOLAR

G3 Box
COLLEGE ENTREPRENEUR OF THE YEAR

Tina Hakimi
WHITAKER FELLOW

Lauren Meiss
WHITAKER FELLOW
graduate more engineers: metrics

Engineering Freshman and Retention

Engineering Enrollment

Engineering Degrees Awarded
new faculty

25 new faculty in 2012/44% female

2011
Panagiotis Artemiadis, Ph.D.,
National Technical University of
Athens
Thomas Attard, Ph.D., Arizona
State University
Candace Chan, Ph.D., Stanford
University
Mikhail Chester, Ph.D., University
of California, Berkeley
Karmella Haynes, Ph.D.,
Washington University
Jeff Kleim, Ph.D., University of
Illinois
Yoshihiro Kobayashi, Ph.D., UCLA
Vikram Kodialbagar, Ph.D.,
Washington University
Ross Macieiewski, Ph.D., Purdue
University
Daniel McCarrville, Ph.D., Arizona
State University
Benjamin Mertz, Ph.D., University
of Notre Dame
Narayanan Neithalath, Ph.D.,
Purdue University
Michael O’Connell, Ph.D., Rice
University
Jay Oswald, Ph.D., Northwestern
University
Jagannathan Rajagopalan, Ph.D.,
University of Illinois at Urbana-
Champaign
Kiran Solanki, Ph.D., Mississippi
State University
Sarah Stabenfeldt, Ph.D., Georgia
Institute of Technology
Meng Tao, Ph.D., University of
Illinois at Urbana-Champaign
Pavan Kumar Turaga, Ph.D.,
University of Maryland, College
Park
Robert Wang, Ph.D., University of
California, Berkeley
Zhihua Wang, Ph.D., Princeton
University
Haolin Zhu, Ph.D., Cornell
University
Jeffrey La Belle, Ph.D., Arizona
State University
Amy Landis, Ph.D., University of
Illinois-Chicago
Yongming Liu, Ph.D., Vanderbilt
University
Kristen Parrish, Ph.D., University of
California-Berkeley
Matthew Peet, Ph.D., Stanford
University
Yulia Peet, Ph.D., Stanford
University
Heather Pon-Berry, Ph.D., Harvard
University
Soroush Saghaian, Ph.D.,
University of Michigan
Lalitha Sankar, Ph.D., Rutgers
University
Pingbo Tang, Ph.D., Carnegie
Mellon University
Shane Underwood, Ph.D., North
Carolina State University
Erin Walker, Ph.D., Carnegie
Mellon University
Liping Wang, Ph.D., Georgia
Institute of Technology
Carole-Jean Wu, Ph.D., Princeton
University
Lei Ying, Ph.D., University of Illinois
at Urbana-Champaign

2012
Spring Berman, Ph.D., University
of Pennsylvania
Mariana Bertoni, Ph.D.,
Northwestern University
Dan Bliss, Ph.D., University of
California, San Diego
Mounir El Asmar, Ph.D., University
of Wisconsin-Madison
Zachary Holman, Ph.D., University
of Minnesota
Yang Jiao, Ph.D., Princeton
University
Jennifer Kitchen, Ph.D., Arizona
State University
Oliver Kosut, Ph.D., Cornell
University

25 new faculty hires
planned for 2013-14
new facilities
Brickyard Mezzanine, Interdisciplinary Science and Technology Building 4, eSpace, Block 12
transcending the traditional
THE IRA A. FULTON SCHOOLS OF
engineering

SCHOOL OF ARTS, MEDIA AND ENGINEERING
in association with Herberger Institute for Design and the Arts

SCHOOL OF EARTH AND SPACE EXPLORATION
in association with the College of Liberal Arts and Sciences

SCHOOL OF SUSTAINABILITY

TRANSDISCIPLINARY PARTNERS
THE BIODESIGN INSTITUTE
GLOBAL INSTITUTE OF SUSTAINABILITY
SECURITY AND DEFENSE SYSTEMS INITIATIVE

computer engineering
electrical engineering

solar energy engineering and commercialization

computer engineering
computer science
civil, environmental and sustainable engineering
management

computer systems engineering
construction engineering

engineering management
Industrial engineering
Informatics

computer engineering
chemical engineering
materials science and engineering
mechanical engineering
space solar energy engineering and commercialization