Executive Vice President and Provost’s Report

Dr. Samuel Mukasa

Internationalization Efforts
Major Topics to Share

• Mandate of the **ESF 2030 Strategic Plan**
• Global Targets of Opportunity for ESF
• SUNY Chancellor’s Cuba Initiative
• Rationale for Internationalization
  I. US, NYS, and SUNY Student Enrollments in Decline
  II. Global Demand for a US Education Growing
  III. Contributions of International Students to US Higher Ed and the Economy are Significant
ESF 2030 Strategic Plan

Growing Opportunity & Excellence for Student Success

- Access & Affordability
  1. Institutionalize enrollment planning and develop a financial aid strategy
  2. Grow enrollments in URM communities
  3. Develop international student recruitment plan
  4. Enhance the graduate student community
  5. Increase access and affordability for all students
  6. Increase retention rates and reduce time to degree
  7. Establish transition programs for URM and first generation students
  8. Establish lifelong learning opportunities in Open Academy with online degrees, certificates, and microcredentials

- Teaching & Learning Opportunities
  1. Increase effectiveness of faculty research time
  2. Develop new programs in high-demand areas
  3. Create a community of faculty with diverse pedagogies
  4. Increase global fluency through expanded international opportunities
  5. Develop customized student support success
  6. Provide experiential learning opportunities
  7. Build partnerships with industry and government labs to promote professional grad degree programs
  8. Rebuild ESF’s assessment infrastructure. Revise CLOs to reflect what an ESF student is.
  9. Recruit more international Ph.D. students

IDEA+SJ & Sustainability: Meeting the Future

ESF 2030 Strategic Plan

Transdisciplinary Scholarship & Research Expansion

- Research & Scholarship Empowerment
  1. Increase effectiveness of faculty research time
  2. Innovate new programs in high-demand areas
  3. Create a community of early career faculty with diverse pedagogies

- Resource Enhancement
  1. Increase effective utilization of student resources
  2. Enhance the effectiveness of instructional faculty teaching in non-degree programs and research opportunities.
  3. Increase revenue streams
  4. Create a set of guidelines for instructional faculty teaching in non-degree programs and research opportunities.
  5. Increase transdisciplinary scholarship and research productivity

Intentional Cultivation of Community & Belonging

- Wellbeing
  1. Build career advancement and leadership opportunities for faculty/staff
  2. Enhance the ESF campus experience for all
  3. Make ESF a top place to work

- Community Outreach & Engagement
  1. Advance commitment to external community connections
  2. Grow sustained STEM career pathways in K-14
  3. Create opportunities for civic engagement
  4. Unite student outreach activities by reinventing the ESF Science Corps umbrella
  5. Enhance and engage in industrial and government partnerships

Internationalization Mandate

- Advance global fluency through expanded international opportunities
- Enhance the community of early career faculty with diverse pedagogies
- Increase the effectiveness of instructional faculty teaching in non-degree programs and research opportunities.
- Increase revenue streams
- Create a set of guidelines for instructional faculty teaching in non-degree programs and research opportunities.
- Increase transdisciplinary scholarship and research productivity
- Improve the effectiveness of existing resources

Tasks and Actionable Items......
ESF Partnerships in China

1. Beijing University of Chemical Technology

2. Henan Agricultural University in Zhengzhou
   3+2 or 3+1 BLA Landscape Arch
ESF Partnerships in South Korea

1. Ulsan National Institute of Science & Technology (UNIST)
   Nanoscience; semiconductors

2. Inha University
   Prof. Yong Gu Kwon visiting ESF on 12/14/23

3. Chungnam National Univ.
   Dean, College of Natural Sciences
ESF Partnerships in Taiwan

1. Tunghai University MOU
   Signed in 2021
   Opportunities in CHEM, EB & Env Sci

2. Chang Jung Christian University (CJCU)
   Opportunities in Jane Goodall Institute

3. National Taiwan University (NTU)
   Interest in Cranberry Lake Bio Station + Student Exchange Programs

4. Dong Hwa University
   Opportunities in 3+1 Chemistry and Study-Abroad Programs
SUNY Delegation to the Congreso Universidad

20+ delegates from Albany, Cortland, ESF, FIT, New Paltz, Oneonta, Purchase, SUNY system, and CUNY
"Helping" to Hold Up Competitors’ Pennants
17 Major Universities in Cuba

- Universidad de la Habana
- Universidad de Pinar del Rio
- Universidad de Cienfuegos
- Universidad de Guantánamo
- Universidad de Moa
- Universidad de Oriente
- Universidad de Oriente
Universities ESF Met With

- Universidad de la Habana
- Universidad de Pinar del Rio
- Universidad de Moa
- Universidad de Cienfuegos
- Universidad de Oriente
- Universidad de Guantánamo
Nationwide Decline in College Enrollments

Undergraduate enrollments peaked in 2010-11 and then began a slide that continues to this day.

Note: Data reflect degree-granting four-year and two-year public, private nonprofit, and private for-profit institutions.
Chart: Audrey Williams June • Source: U.S. Department of Education • Get the data • Created with Datawrapper
Importance of Internationalization

US Regional Demographics

Forecasted Growth/Decline in Students Who Will Attend National 4-Year Institutions, 2012-2029

Source: Demographics & the Demand for Higher Ed by Nathan D. Grawe (2018)
High Level Percent Changes, Fall 2022 to Fall 2023 (as of November 8, 2023)

**UNDERGRADUATE FIRST-TIME**
Percent Change from Fall 2022 to Fall 2023

<table>
<thead>
<tr>
<th>Type</th>
<th>Percent Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUNY-wide</td>
<td>+4.3%</td>
</tr>
<tr>
<td>State-operated</td>
<td>+4.6%</td>
</tr>
<tr>
<td>Doctoral</td>
<td>+3.2%</td>
</tr>
<tr>
<td>Comprehensive</td>
<td>+2.6%</td>
</tr>
<tr>
<td>Technology</td>
<td>+13.3%</td>
</tr>
<tr>
<td>Community Colleges</td>
<td>+3.9%</td>
</tr>
</tbody>
</table>

**TOTAL ENROLLMENT**
Percent Change from Fall 2022 to Fall 2023

<table>
<thead>
<tr>
<th>Type</th>
<th>Percent Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUNY-wide</td>
<td>+1.1%</td>
</tr>
<tr>
<td>State-operated</td>
<td>+0.5%</td>
</tr>
<tr>
<td>Doctoral</td>
<td>+0.1%</td>
</tr>
<tr>
<td>Comprehensive</td>
<td>+0.5%</td>
</tr>
<tr>
<td>Technology</td>
<td>+2.5%</td>
</tr>
<tr>
<td>Community Colleges</td>
<td>+1.8%</td>
</tr>
</tbody>
</table>

Source: SUNY Data Warehouse
SUNY System Administration Office of Institutional Research and Data Analytics
November 8, 2023
SUNY Overall Enrollment Trend: Fall 2013 to Fall 2023
ESF Enrollments

Net Drop of 5.5% Over 6 Years

Source: SUNY System Administration Office of Institutional Research and Data Analytics
Historical Live Births in NYS (1990-2019)

From 2000 (2018/19 Academic Year) to 2019 (2037/38 Academic Year)
Live Births Declined by 37,919 or 14.7 percent
US Age Distributions

Source: U.S. Census Bureau; Reported in The New York Times, March 3, 2024
Leading Places of Origin for International Students

- **China**: 27%
- **India**: 25%
- **Canada**: 3%
- **Brazil**: 2%
- **Saudi Arabia**: 2%
- **Nigeria**: 2%
- **South Korea**: 4%
- **Taiwan**: 2%
- **Vietnam**: 2%
- **Japan**: 2%

Students from China and India account for **53%** of international students in the US.
1,057,188 international students enrolled at U.S. higher education institutions and were on Optional Practical Training (OPT) in the 2022/23 academic year.

<table>
<thead>
<tr>
<th>Place of Origin</th>
<th>Total Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>27,876</td>
</tr>
<tr>
<td>China</td>
<td>289,526</td>
</tr>
<tr>
<td>Colombia</td>
<td>9,096</td>
</tr>
<tr>
<td>France</td>
<td>8,552</td>
</tr>
<tr>
<td>Germany</td>
<td>9,751</td>
</tr>
<tr>
<td>Hong Kong</td>
<td>5,867</td>
</tr>
<tr>
<td>India</td>
<td>268,923</td>
</tr>
<tr>
<td>Indonesia</td>
<td>8,467</td>
</tr>
</tbody>
</table>

Math and computer science: 23%
Engineering: 19%
Business and management: 15%
Social sciences: 8%
Detailed Student Origins and Interests

International Enrollment Trend: Fall 2013 to Fall 2023

SUNY International Enrollment Trend: Fall 2013 - Fall 2023
(includes FT and PT, Undergraduate and Graduate)

SUNY System Administration Office of Institutional Research and Data Analytics :: November 13, 2023
Sources: SUNY Data Warehouse

- SUNY Total
- State-Operated
- Community Colleges
The international recruitment team (Tom Carter, Tom Fletcher, Jackie Vogl, Ebby Adukkalil, and Hui Chen) is now working on drafting ESF's first-ever “International Student Recruitment Plan”
Economic Impact of International students in the US

Total Contribution
$40.1 billion

Number of Jobs Created or Supported
368,333

Source: NAFSA’s InternationalStudentEconomicValueTool at www.nafsa.org/economicvalue