“providing transformative education in order to improve our student’s lives and the world through science....”
Agenda

Introductions - Departments and Programs – FTES – Goals - Hiring – Budget - Science Building – College Activities
CNBS – Deans’ Office Staff
CNBS Deans’ Office Staff
In Their Natural Environment
NBS Departments and Programs (FTES)

Anthropology (128)  Biology (324) Chemistry/Biochemistry (237)
Behavioral Science (9)  Computer Science/Computer Tech (235)
Earth Science and Geography (132)  Environmental Science (1)
Mathematics (375) Physics (133) Political Science (210)
Psychology (615) Sociology (515)  SBS (312) SMT (263)

3 Admin – 79 (75) TT Faculty – 177 (77) PT Faculty - 18 Staff
# Enrollment (FTES)

<table>
<thead>
<tr>
<th></th>
<th>Fall 2015</th>
<th>Spring 2016</th>
<th>Avg F/Sp</th>
</tr>
</thead>
<tbody>
<tr>
<td>NBS</td>
<td>3910</td>
<td>3430</td>
<td>3670</td>
</tr>
<tr>
<td>University</td>
<td>11354</td>
<td>10398</td>
<td>10876</td>
</tr>
</tbody>
</table>

NBS percent of total FTES
\[
\frac{3670}{10876} = 33.8\%
\]
How We Decide What To Do...
NBS Goals 2015-2016

Short Term (Year 1)
  - Hire Faculty and Staff (with support, FDC, etc.)
  - Fundraise with Alumni (Development)

Mid Term (5 Years)
  - Add Curriculum
  - Establish Community – University Relationships
  - Fund Research Mentoring
    - 60% of students in research
  - Implemented a Working Budget Planning Process
  - Move into the New Science Building

Long Term (> 5 Years)
  - Premiere Research Unit with Established Donor Pool
Student Success Initiatives and Metrics

Board of Trustees: Council of Presidents

Initiative #1 – Tenure Track Faculty Hiring

Initiative #2 – Enhanced Advising

Initiative #3 – Augment Bottleneck Solutions

Initiative #4 – Student Preparation (Bridge/Early Start)

Initiative #5 – HIPs for Student Retention

Initiative $6 – Data Driven Decision Making (Retention)
New Faculty and Staff Hires

2013

Dr. Wing Nam (Joyce) Chan
Dr. Bin Tang
Dr. Salvatore Russo
Dr. Heather Butler
Dr. Jeh Middlebrook
Mr. Jivin Seward
Ms. Christina Trujillo

2014

Dr. Jacqueline Padilla-Gamino
Dr. Fang Wang
Dr. Giacomo Bono
Dr. Erin Merz
Dr. Alexa McCurn
New Faculty and Staff Hires

2015

- Dr. Amlan Chatterji
- Dr. Ximena Cid
- Dr. Karin Kram
- Dr. Kelin Lin
- Dr. Cassondra Lochard
- Dr. Gretel Vera - Rosas
- Dr. Kristen Stagg Rovira
- Dr. Patrick Still
- Dr. Dana Sylvan
- Dr. Arumagam Thangavel
- Dr. Kathryn Theiss
- Dr. Liudong Zuo
- Dr. David Dixon
- Dr. Antonia Badri

- Mr. Elvis Arteaga
- Mr. Behrang (Martin) Madhi
- Dr. To Dang
Hiring 2016

2015-16

Anthropology (1) – Replacement
Chemistry (2) – Lecturers
Psychology (1) – Replacement
Sociology (2) – Replacements
# BUDGET REVIEW

NBS Expenditures 2014-15 (3688 FTES)

**Salaries & Wages**

- Faculty (62.5 FTEF, 66 HC)  
  5,820,320
- Staff and Administration  
  1,292,896
- Part-Time Faculty (72.9 FTEF, 170 HC)  
  3,586,107
- Summer Faculty Advising  
  68,609
- Grad Assistants  
  15,371
- Student Assistants  
  86,742
- Other Sal & Wages  
  125,376

**Total Salaries & Wages**  
10,995,421

**Operating Expenses**

- Supplies, Services & Other OE  
  804,571
- Equipment  
  9,160

**Total Operating Expenses**  
813,731

**Total**  
11,809,152
Science Building(s)

CSUDH Science and Innovation Building
   Planning: 2015-2017
   Construction: 2017-2019

NSM Building Renovation
   Planning: 2017-2019
   Construction: 2019-2020

Current Status
   Preliminary Construction Report to Chancellor’s Office
   CSUDH A&F, NBS, HGA: Budget fitting to $90 million
   Reduced ASF by approximately 3000 sq.ft.
Science Building

Architecture Request for Qualifications Complete
November 2015

HGA Selected:
Kaveh Amirdelfan, Principal
"THE HYBRID"
OPTION 3

Schedule

12 / 2015 - 4 / 2016
12 WEEKS

4 / 2016 - 8 / 2016
12 WEEKS

7 / 2016 - 4 / 2017
27 WEEKS

4 / 2017 - 6 / 2017
5 WEEKS

7 / 2017 - 12 / 2019
22 MONTHS

PULL SCHEDULING

COMMUNICATION

LISTEN
ASK
RESPOND

Sustainability

Five-Zero Plan: 2015

ENERGY
Solar Energy Reduce Use of Energy Plan Renewable
10 M KwH/year Production

2025

FUTURE

Makes more than used

CARBON
Plan for Air Quality Climate Plan Carbon Neutral Cleans the air

WATER
Reduce Use of Water Cycle Water Balance Plan Zero Site Water 60% Less Bldg

Recycle Plan

WASTE
Reduce Use of Cradle to Cradle

Resources, Not Waste

95% Less

ZeroPLUS
Science Building

Request for Qualifications
for Construction Manager Services At Risk with
Guaranteed Maximum Price

Eighteen question Request for Qualifications – Total 310 points

6. Your firm’s general qualifications and experience managing projects of similar size and type. List up to five projects and provide contact information for the owner and architect. 60 points
C W Driver

Please see the appendix for a selection of articles featuring the LMU Science Building.

LOYOLA MARYMOUNT UNIVERSITY
Life Sciences Building

2015
LOS ANGELES, CA
100,000 SF

CONTRACT AMOUNT
$80,740,966

LMU’s Frank R. Seaver College of Science and Engineering offers one of the top ranking undergraduate engineering programs in the nation.

In order to continue to foster excellence in all areas of science and engineering, the new 120,000 GSF building was designed for research which involves collaboration with peers and professors, the building features an open design.
Rudolf and Sletten

WARREN AND KATHERINE SCHLINGER
LABORATORY FOR CHEMISTRY AND
CHEMICAL ENGINEERING
CALIFORNIA INSTITUTE OF TECHNOLOGY | PASADENA, CA
McCarthy

Section 6: General Qualifications & Experience

Mesa College Math & Science Building
San Diego, California
Community College District

Sundt
"We have the best relations with a contractor we could possibly have."

- Walt Rice, Director of Facilities Planning
South Orange County Community College District
Saddleback College, Sciences Building Project

and the winner is...!

C. W. Driver
Improve Facilities
Fix the STEM Pipeline

CISE
NBS Distinguished Guest Speaker Series

Dr. Bonnie J. Buratti
Project Scientist

New Horizons:
The First Mission to the
Pluto System and the
Kuiper Belt

Dr. Wanda Austin
CEO Aerospace Corporation

Women in Science, Technology,
Engineering and Mathematics

Dr. Lynn Fenstermaker
Senior Scientist

Monitoring Climate
Variability and Impact in
Nevada

Dr. Jann Vendetti
Curator: Natural History Museum

Research Collections and Citizen
Science:
Thank you!