

Training Tomorrow's Scientists and Technicians at La Jolla High School:

How do we prepare the *next generation* of America's bioscience workforce?



La Jolla High School *Biological Science and Technology Center* -- concept view

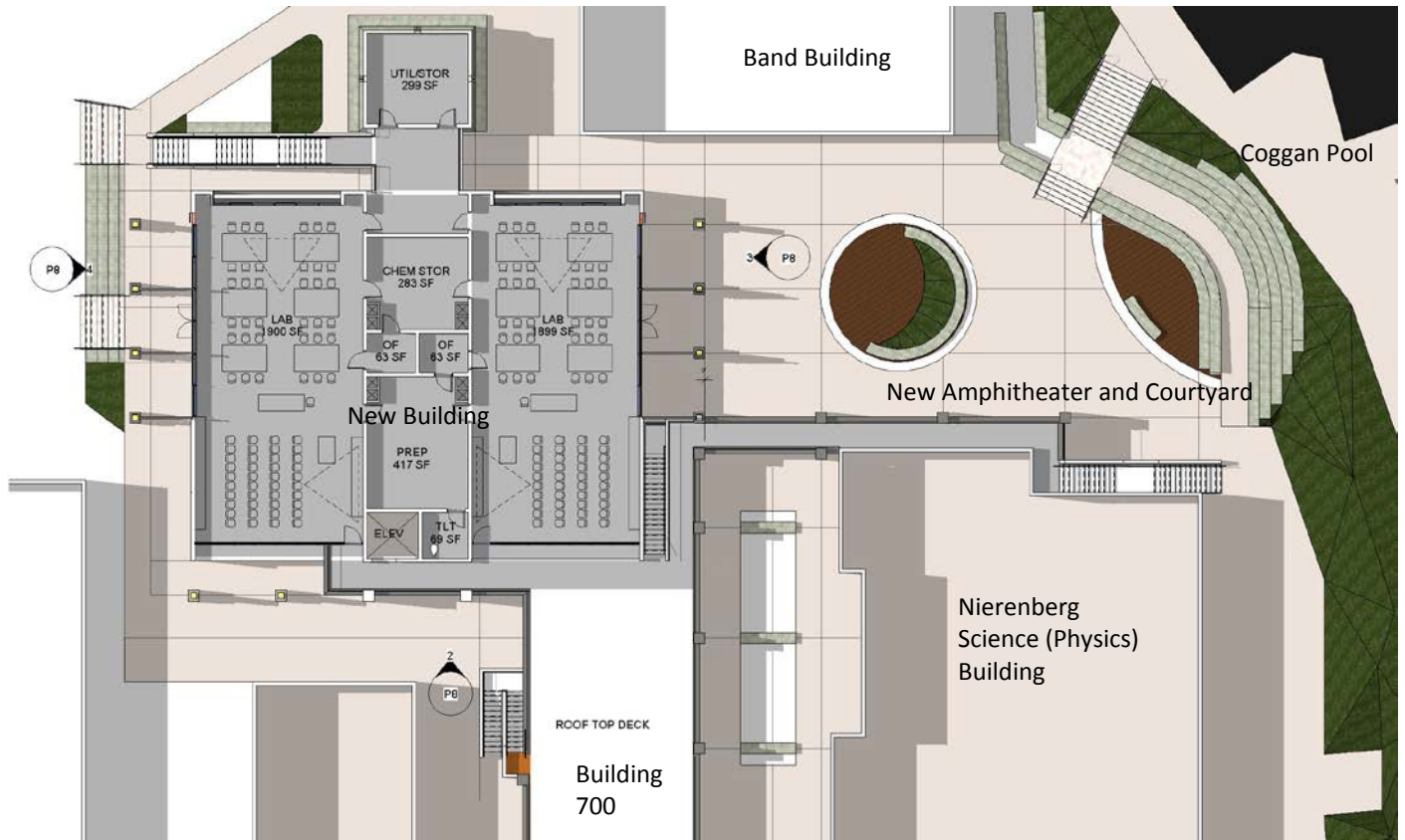
Rapidly growing job markets in:

- health care and medicine,
- agriculture and aquaculture,
- biofuels,
- marine ecosystems,

**need technically competent people with practical,
*hands-on experience.***

THAT STARTS IN HIGH SCHOOL!

La Jolla High is a public school with 1,200 students, of which 40% live in other parts of the San Diego Unified School District, outside La Jolla.



Second story layout (in grey) of Biological Science and Technology Center

Biology, chemistry, and environmental science classes are still held in the 1970's vintage "700 Building." A new Bioscience Center will provide:

1. **Theater-style room** area for lectures and demonstrations,
2. **Expansive lab space** for facilitating long-term experiments and small group collaboration,
3. **Bio-science infrastructure** including: refrigeration, steam, DI-water, ventilation, chemical storage, DNA-sequencing and –microarray equipment, protein chemistry, wet-lab facilities etc... required for doing common high-school level biology and biochemistry, as well as environmental and marine science experiments.
4. Conveniently accessible, adjacent **outdoor instruction** areas

Donor name recognition criteria:

- \$2.5M: Bioscience Center building
- \$1.0M: Amphitheatre
- \$500k: Instruction courtyard, laboratory or lecture area
- \$250k: Roof Top Deck instructional area
- \$50k: Lab bench

Funding schedule (for donations component of total budget):

- \$500k (detailed design and permitting fees) → **December 2015**
- \$5.5M (construction) → **May 2016**
- **construction start Summer 2016**

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