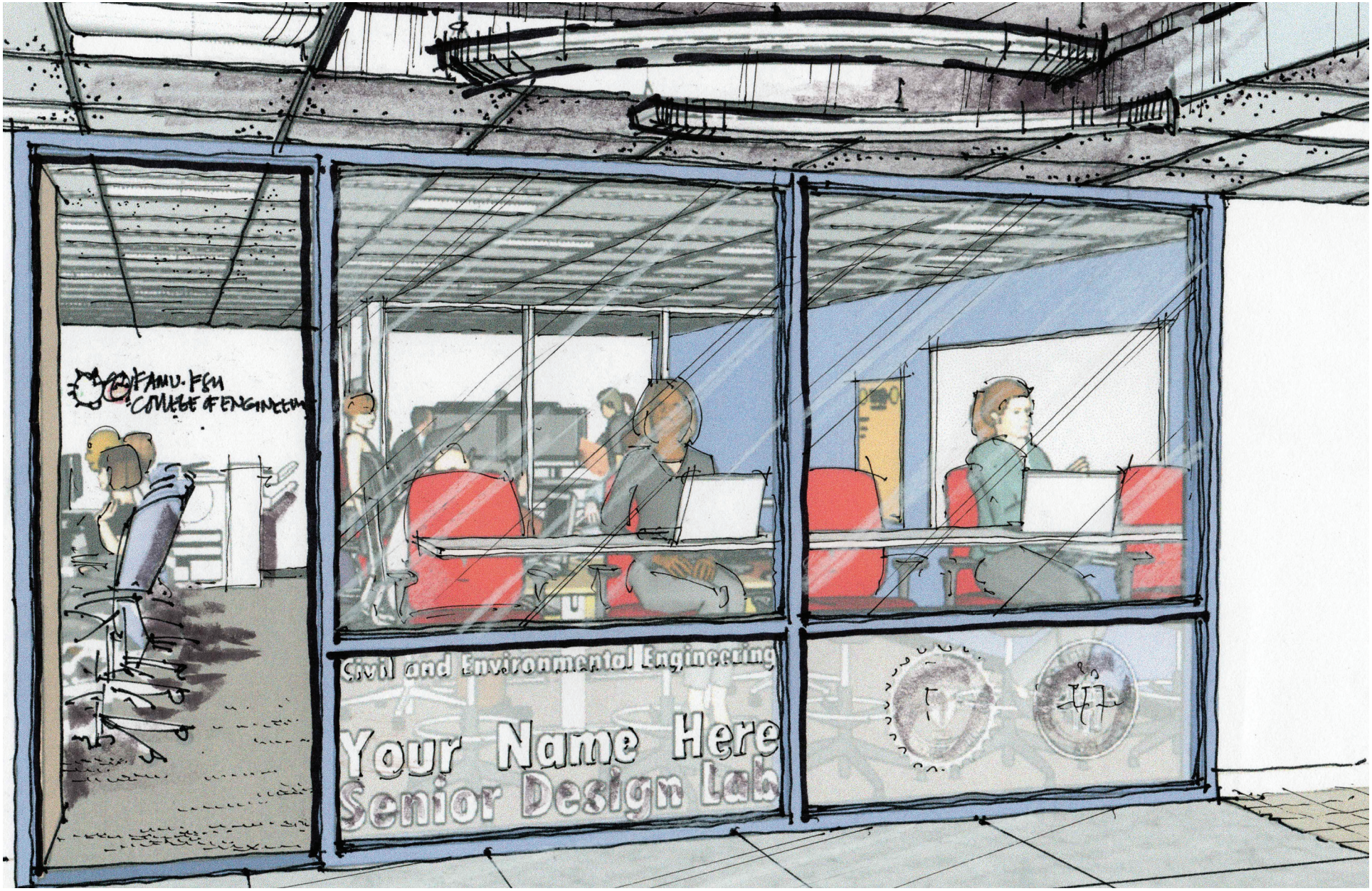
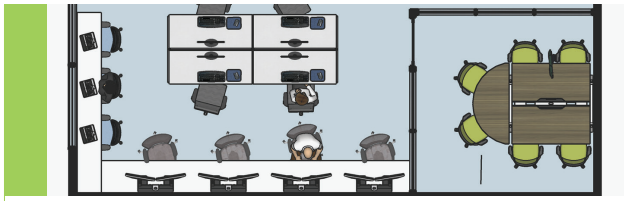


SENIOR DESIGN LAB
Renovation

FAMU-FSU Engineering
Department of Civil and Environmental Engineering

SENIOR DESIGN LAB
Renovation Phases

FAMU-FSU Engineering
Department of Civil and Environmental Engineering

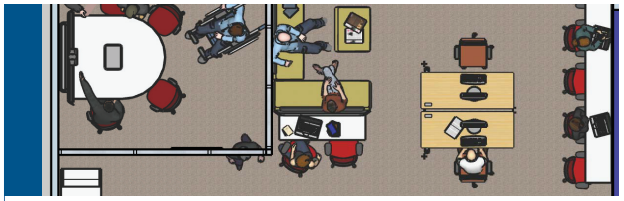


PHASE ONE:
Investment by the Civil and Environmental Engineering Department

PLANS
Partial upgrade of computer resources, including:
- Replacement of 10 workstations
- Upgrade memory in remaining workstations
- Upgrade monitors to dual-screen systems

Hiring a Professor of Practice

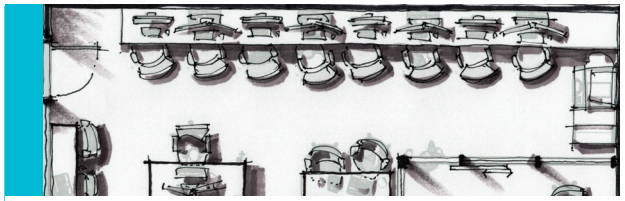
STATUS UPDATE
Completed in Summer 2017. The search for a professor of practice is currently underway – expected completion is anticipated for Summer/Fall 2018.



PHASE TWO:
Investment by the Department Advisory Board

PLANS
Renovate the lab space to include:
- Furniture
- Technology
- Physical renovation

STATUS UPDATE
Civil and Environmental Engineering Department has donated A127, enabling a move from the smaller A144. Renovations planned for Spring/Summer 2019.



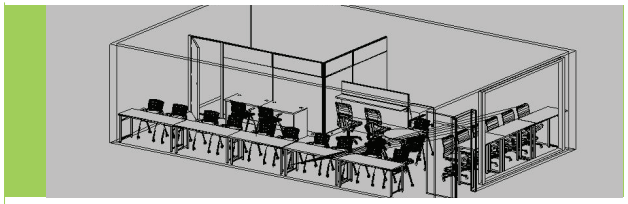
PHASE THREE:
Investment by Alumni and Friends

PLANS
Complete renovations and maintain the lab:
- Differential needed to renovate the lab
- Lab maintenance fund

STATUS UPDATE
Outreach planned for Spring 2018 and on-going.

SENIOR DESIGN LAB
Renovation Costs

FAMU-FSU Engineering
Department of Civil and Environmental Engineering

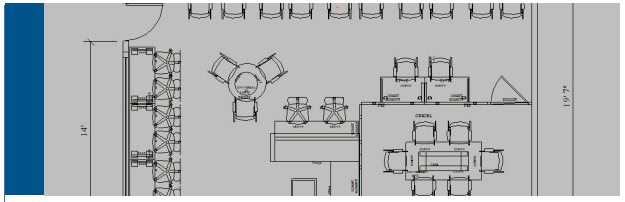


Investment by the Civil and Environmental Engineering Department

The Civil and Environmental Engineering department has already invested in the senior design lab by replacing 10 workstations, upgrading the memory in the remaining workstations, upgrading the stations to dual-screen systems, and beginning the process of hiring a professor of practice.

COST: $115,000 minimum

$15,000
$100,000 (reoccurring annual cost for a professor of practice)

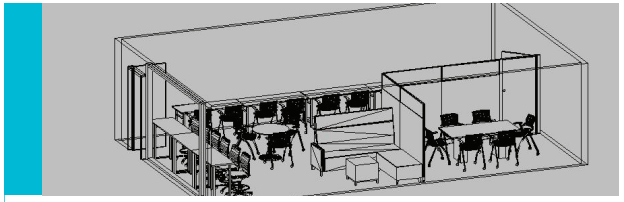


Investment by the Department Advisory Board to Retrofit A127

- Furniture: $30,000
  - Modular furniture
  - Small conference table and chairs
  - Computer desks and chairs
  - High-top computer bar/charging station
- Technology: $20,000
  - Small TV for conference room
  - Printer
  - Upgraded software and memory for remaining workstations
  - Additional dual-screen systems for added stations
- Physical Renovation : $80,000
  - Removal of wall
  - Frosted and regular glass wall for new team workspace
  - Paint
  - Carpet
  - Electrical upgrades
  - Upgraded ceiling
  - HVAC/Fire sprinkler system
  - Updated lighting

COST: $130, 000

Proposed funding by board: $50,000.
Differential to be supplemented by the college, alumni and friends.



Investment by Alumni and Friends

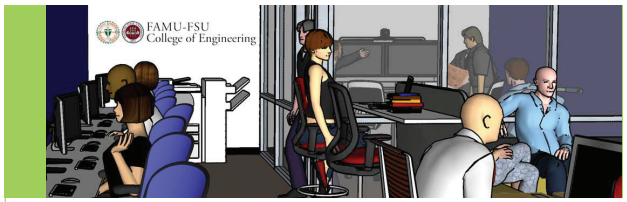
Support from alumni and friends at the annual level will help fund the differential needed to renovate A127. Once the renovation is fully funded, any additional funds raised will be housed in a maintenance fund for the lab.

COST: $TBD

CORPORATE/ INDIVIDUAL LAB NAMING OPPORTUNITY AVAILABLE FOR $50,000

SENIOR DESIGN LAB
Renovation Needs

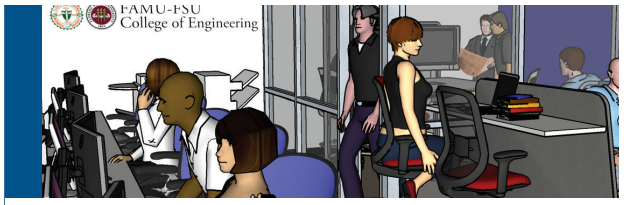
FAMU-FSU Engineering
Department of Civil and Environmental Engineering



WHY?

The civil and environmental engineering senior design capstone course impacts every undergraduate student. It allows them to improve their critical thinking and conceptualization skills while being exposed to real-world projects. The senior design lab is the place where students go to express their knowledge – to create the bridge between the theoretical side of engineering and actual application. Senior design is a **crucial element in engineering education** and helps to create a seamless transition from student to employee. This capstone course allows students to hit the ground running once employed, thus reducing the onboarding time for the employer.

A well-equipped lab, that is both **modern and functional**, allows the department to produce talented, intelligent, and creative engineers. An upgraded lab will reward our current students and serve as a great recruiting tool for future students.



WHY NOW?

In 2005, the first dedicated space for the civil and environmental engineering senior design lab was created. At the time, it fulfilled the basic needs of the student population – but year after year, student exit surveys revealed that upgrades were needed. Now, nearly 13 years later and even after upgrades, the **current space is no longer sufficient.** With the need for a larger space to accommodate more students, and a desire to integrate new technologies and software, the department and college have decided to invest in our students by identifying a new space for the senior design lab.

With more than 40 seniors, and **projected growth on the horizon**, the new space will have additional workstations, integrated technology, a small meeting space to facilitate group presentations, and modular furniture to foster collaboration.

WHY YOU?

Renovations play a large part in any successful engineering business – **the need to grow is a direct output of success.** The same is true for engineering education. The student experience is constantly evolving, and in order for students to be better trained for the workforce, they need to be equipped with the tools to succeed.

For eight of the past nine years, our students have won the Florida Engineering Society's State Student Chapter of the Year. Our faculty continue to excel as leaders in engineering education– and to serve in leadership roles on industry boards. Investing in our students and the lab is as much for the department's growth as it is for the betterment of the field.

The department is **investing in the future of our students** and **counting on you** to help them succeed.