PROJECT SCOPE

PHASE I Project

LINK replacement

Scott Engineering (SEC) renovation
PROCESS AND SCHEDULE

Deliverables
- Principles for Design and Facility Vision Statement
- Space Program and Adjacency Diagram
- Key Room Data Sheets
- Site Master Plan
- Building Blocking and Stacking Diagram
- Building Addition Massing Diagram
- Project Cost Estimate
- Project Phasing and Schedule

Types of Spaces
Outfitting Space
How Much Space
Cost
Organization

COLLEGE OF ENGINEERING    Phase I Scott Engineering Renovation and Link Replacement Project
PROGRAM VALIDATION AND CONCEPTUAL DESIGN

Lab Typologies and Modules

Option 1
700 SF

Option 2
1050 SF

Option 3
1400 SF

Variation by Size
PROGRAM VALIDATION AND CONCEPTUAL DESIGN

Lab Typologies and Modules

Electronics Lab  Laser Lab  Bioscience & Gen Chemistry  Material Science
PROGRAM VALIDATION AND CONCEPTUAL DESIGN

Lab Typologies and Modules

Option 2A
800 SF + 400SF

Basic Lab Module

Bioscience/Chemistry
# Program Validation and Conceptual Design

## Lab Typologies and Modules

<table>
<thead>
<tr>
<th>Typology</th>
<th>Sq ft (lab pr1)</th>
<th>HOK modules Total</th>
<th>COE modules total</th>
<th>Current sq ft</th>
<th>Proposed sq ft</th>
<th>Randy's File (RESEARCH ONLY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioscience lab</td>
<td>852</td>
<td>9</td>
<td>11</td>
<td>8,307</td>
<td>9,377</td>
<td>16,074</td>
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<tr>
<td>Laser lab</td>
<td>875</td>
<td>20</td>
<td>14</td>
<td>12,264</td>
<td>12,250</td>
<td>7,000</td>
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<tr>
<td>Mech / Electrical</td>
<td>700</td>
<td>33</td>
<td>79.1</td>
<td>58,136</td>
<td>55,342</td>
<td>40,600</td>
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<tr>
<td>Computational</td>
<td>250</td>
<td>2</td>
<td>7.3</td>
<td>1,394</td>
<td>1,813</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>64</strong></td>
<td><strong>111.4</strong></td>
<td><strong>80,101</strong></td>
<td><strong>78,782</strong></td>
<td><strong>63,674</strong></td>
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</tbody>
</table>

## Sub-components

<table>
<thead>
<tr>
<th>Typology</th>
<th>Sq ft (lab pr1)</th>
<th>HOK modules Total</th>
<th>COE modules total</th>
<th>Current sq ft</th>
<th>Proposed sq ft</th>
<th>Randy's File (RESEARCH ONLY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching lab modules</td>
<td>11</td>
<td>12.3</td>
<td>1,705</td>
<td>3,850</td>
<td>Dedicated TL</td>
<td></td>
</tr>
<tr>
<td>Teaching + Research lab modules</td>
<td>21.5</td>
<td>1,041</td>
<td>2,686</td>
<td>7,000</td>
<td>Shops</td>
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<tr>
<td>Shops</td>
<td>8</td>
<td>6.53</td>
<td>530</td>
<td>780</td>
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<tr>
<td>Research only modules</td>
<td>53</td>
<td>69.6</td>
<td>50,791</td>
<td>4,524</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>53</strong></td>
<td><strong>69.6</strong></td>
<td><strong>50,791</strong></td>
<td><strong>4,524</strong></td>
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</tr>
</tbody>
</table>

## Module size

<table>
<thead>
<tr>
<th>Module size</th>
<th>Sq ft (lab pr1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical/Electronics - Small</td>
<td>700</td>
</tr>
<tr>
<td>Electrical/Electronics - Medium</td>
<td>1050</td>
</tr>
<tr>
<td>Electrical/Electronics - Large</td>
<td>1400</td>
</tr>
</tbody>
</table>

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**Note:** The table above represents the program validation and conceptual design for Lab Typologies and Modules in the Phase I Scott Engineering Renovation and Link Replacement Project.
PROGRAM VALIDATION AND CONCEPTUAL DESIGN

Lower Level SEC and LINK
PROGRAM VALIDATION AND CONCEPTUAL DESIGN

SCHEDULE

March 13  Faculty Interviews - Lab Data Sheets
March 14  Faculty Interviews - Lab Data Sheets
March 25  Faculty Interviews - Lab Data Sheets
March 26  Faculty Interviews - Lab Data Sheets
March 27  Faculty Interviews - Lab Data Sheets
March 27  Preliminary Architectural Design Review

April 3  Program Validation and Conceptual Design Update - Steering Committee

April / May  Faculty Interviews - Lab Data Sht. Review Staff Interviews - Office Data Sheets
Building & Renovations Campaign

"We are building a College of Engineering that will be a major source of economic development in the state and region while addressing problems of global importance."

Lance C. Pérez
DEAN, COLLEGE OF ENGINEERING

https://engineering.unl.edu/construction-central/