PROJECT OVERVIEW

• PREDESIGN PROCESS

• PROBLEM STATEMENT / PROJECT GOAL

• UW BOTHELL GROWTH FORECAST

• SNAPSHOT OF THE PROGRAM IDENTIFIED

• PREFERRED PRELIMINARY SITE
PROCESS

PROGRAMMING

LAUNCH
[FEB 02] SET UP
Establish Goals
Define Objectives

GATHER
[MARCH 3-31] FOCUS GROUPS - GATHER
Filter + Advise
Identify/Confirm Program Elements

FIT
[TBD APRIL-MAY] FIT
Review, Confirm, Present
program fit and identify
preferred scenario for
development

REFINE
[MAY - JUNE] ALL FACULTY MEETING
STUDENT FORUM

FINALIZE
[JULY 01] WRAP UP
Confirm Program
Confirm Composition and
Space Requirements

Warren
Amie
David
Chrissy
Joe
Gace
Amy
John Egdorf
Ross
Jon Lebo
Jeannie
Miller Hull

UW Bothell
Jeannie / CPO
Classroom Utilization
Earth Sciences + Conservation
Faculty Offices
Undergraduate Research
Site, Facilities, Sustainability
Active Learning
STEM Academic Spaces
Computing + Software Systems
Miller Hull

Warren
Amie
David
Chrissy
Joe
Gace
Amy
John Egdorf
Ross
Jon Lebo
Jeannie
Miller Hull

Jon Lebo
Jeannie
Amy
Sian
Ruth
STEM Group

UW Bothell
Jeannie
Science/Lab Steering Group
Learning Space Steering Group
Miller Hull
PROBLEM STATEMENT

CONTRIBUTE TO MEETING THE FOLLOWING GROWTH DEMANDS PROJECTED BY 2020.

• ACCOMODATE 1,000 NEW FULL TIME EQUIVELENT (FTE) STUDENTS IN THE SCHOOL OF STEM.

• INCREASE GRADUATE IN THE SCHOOL OF STEM BY 500 FTE, OF WHICH 300 FTE WILL BE ENGINEERING AND COMPUTER SCIENCE MAJORS.
UWB GROWTH

59.3% increase in enrollment since 2010

FIG. 1. UW BOTHELL STUDENT FTE ENROLLMENT 2010-15 AND PROJECTED 2020

FIGURES PER UWB PHASE 4 PREDESIGN PRE-SUBMITTAL MEETING, NOVEMBER 5, 2015
UWB GROWTH: GSF/FTE vs. OTHER UNIVERSITIES

- **139.9 GSF/FTE UWB CURRENTLY** (based on 642,094 GSF, includes 79,147 Cascadia of shared space)
- **361.6 GSF/FTE COMBINED AVERAGE**
- **155.1 GSF/FTE WITH STEM BUILDING**
- **105 GSF/FTE BY 2020 IF NO BUILDING**

*Figures per Draft UWB Campus Capacity Study, January 2016*
UWB GROWTH: GSF/FTE AT UWB
SPACE INVENTORY PER 2014-2015

IF

1.76 FTE/SEAT

STANDARD PER WA STUDENT
ACHIEVEMENT COUNCIL

THEN

515

CLASSROOM SEAT DEFICIENCY at UWB
SPACE UTILIZATION: CLASSROOM BY TIME OF DAY

Autumn 2015 Utilization by Timeblock

<table>
<thead>
<tr>
<th>Timeblock</th>
<th>Average Utilization</th>
<th>Ideal Occupancy Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:10-8:30</td>
<td>86%</td>
<td>67%</td>
</tr>
<tr>
<td>8:45-10:45</td>
<td>93%</td>
<td></td>
</tr>
<tr>
<td>11:00-1:00</td>
<td>94%</td>
<td></td>
</tr>
<tr>
<td>1:15-3:15</td>
<td>79%</td>
<td></td>
</tr>
<tr>
<td>3:30-5:30</td>
<td>102%</td>
<td></td>
</tr>
<tr>
<td>5:45-7:45</td>
<td>21%</td>
<td></td>
</tr>
<tr>
<td>8:00-10:00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SPACE UTILIZATION: CLASSROOM SIZE MOST UTILIZED

FIGURES PER UWB AUTUMN 2015 CLASSROOM UTILIZATION REPORT, OCTOBER 29, 2015
WHAT WE KNOW

- UWB GROWTH
- SPACE UTILIZATION
- HOW UWB IS DIFFERENT + THE 3 C’s: CROSS-DISCIPLINARY PRACTICE, CONNECTED LEARNING, COMMUNITY ENGAGEMENT
- FOCUS ON NEW DEGREES IN ENGINEERING + COMPUTER SCIENCES
- NEED FOR UNDERGRADUATE RESEARCH SPACE
- CLASS SIZE MOST NEEDED: 24, 30 and 48
- NEED FOR FACULTY OFFICES WITH SPACE FOR COLLABORATIVE ENGAGEMENT WITH STUDENTS
SITE: PHASE 4 EXTENTS PER MASTER PLAN (2011)
PREFERRED PREFERRED PRLIMINARY SITE

CLOSE RELATIONSHIP TO DISCOVERY HALL PROGRAM AND FUNCTION

• DISCOVERY HALL HOUSES STEM TEACHING CLASSROOMS, LABORATORIES AND FACULTY.
• UTILITY CONNECTIONS EXTENDED FOR FUTURE BUILDING.
• PROVISIONS FOR STORM WATER.
• 1000 TON CHILLER TO SUPPORT FUTURE BUILDING.
• VEHICULAR AND PEDESTRAIN CIRCULATION.
• TWO CODE REQUIRED FIRE LANES.
• HILL CLIMB STAIRS AND RAMPED PATHWAYS TO SUPPORT CAMPUS ACCESS.