

BME Stand Alone Facility

Category	Assumption	Total NASF
1. Faculty (12)	2000 ft ²	24,000
2. Shared Lab Space		1800
3. Collaborative Lab		3200
4. Faculty Office	180	1980
5. Director/Conf	390	390
6. Business/Reception*		700
7. Admin. Staff	120	840
8. Tech. Staff	120	600
9. Res. Assoc./Visitor	120	600
10. Post Doctoral	75 (2/fac)	1870
11. Grad (MS/PhD)	60 (5/fac)	3600
12. M.Eng.	60 (4 fac)	2880
13. Small Conf.	150 (1/4 fac)	450
14. Large Conf.	(Video Cap.)	500
15. Seminar		1200
16. Lounge		800
17. Computing Facility		800
Total NASF		46,210
Total Gross (60% Utilization)		77,020
Cost	~\$400/ft	30.8M

LSTB Concept Design Report

1. Laboratory Goals (Selected)
 - "...centrally located life science technology hub (an intellectual and operational keystone facility)..."
 - "...And create new working relations and synergy among disciplines and organizations including life sciences, physical sciences, engineering, computational sciences, physics, etc."
 - "...provide...the ability to recruit world-class faculty..."

2. Charge to Biomedical Engineering Program (BMEP)
 - "...university-wide unit that bridges biology, medicine, and engineering."
 - "Collaborating and coordinating with other programs in facilitating the transfer of life science concepts into engineering and engineering approaches into life sciences"
 - 12 BMEP "core" faculty; 6 from COE; 6 from CALS, VET, A&S

Summary Program Space Allocation In LSTB

Program	Net Assignable Space	%
1. Biomedical Engineering	15,240	12
2. Biophysics	14,400	11
3. Computational & Statistical Biology	10,980	8
4. Basic Biology	25,400	19
5. Vivarium	14,280	11
6. Plant Functional Genomics	15,750	12
7. Other*	36,085	27

*Administration, Learning Center, Business Incubator, Support,
Technical Facility

Space Detail for Biophysics

Biophysics (4 faculty)	NASF	Qty	Total NASF
Research Lab	770	4	3080
Lab Support	990	4	3960
Dev. Res. Biophys. Opto Elec.	3500	1	3500
Laser Lab	1500	1	1500
Lab Subtotal			12,040
Faculty Office	180	4	720
Graduate Student Off.	180 ⁺	8	1440
Conf. Room			Building
Lounge Pantry			Building
Administrative Support	200	1	200
Office Subtotal			2360
Biophysics Allocation			14,400

⁺30 ft²/person

Space Detail for BME

BME (6 faculty)	NASF	Qty	Total NASF
Research Lab	770	6	4620
Lab Support	990	6	5940
Teaching Lab [*]	900	1	900
Lab Subtotal			11460
Faculty Office	180	5	900
Conference Room			Building
Lounge/Pantry			Building
Director's Office	240	1	240
Admin. Support ^{**}	480	1	480
Grad Student Off. ⁺	180	12	2160
Office Subtotal			3780
BME Allocation ⁺⁺			15,240

^{*}BME retains > 3000 ft² in Kimball Hall for Teaching Lab

^{**}3 administrative staff

⁺30 ft²/person

⁺⁺M.Eng. students housed elsewhere (ca. 2500 ft²)

- Where do the other 6 BME faculty go?
- Even for 6 faculty is the right distribution of space?