Presentation to the Council on the Built Environment

College of Science

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April 14, 2010

Some Basic Data

	T/TT		Undergrad Majors		Graduate Majors		SCH's (Undergrad)		SCH's (Grad)		WSCH's (in thousands)		Research Funding (in Millions)	
	2003	2009	2003	2009	2003	2009	2003	2009	2003	2009	2003	2009	2003	2008
Biol	30	48	1354	1623	93	106	32,089	37,384	1,561	2,225	40.1	57.1	5.79	7.07
Chem	46	48	222	254	250	288	40,827	49,000	4,908	5,600	68.3	75.7	14.8	15.83
Math	70	83	317	134	143	316	65,431	70,605	3,396	3,814	56.3	63.3	3.08	4.46
Phys	45	67	98	127	129	153	25,002	28,915	2,918	2,908	26.7	46.6	9.51	9.69
Stat	25	34	0	0	102	170	13,995	14,300	4,963	5,814	25.3	30	5.26	2.57
Total	216	280	1991	2138	717	1033	177,344	200,204	17,746	20,361	217	273	38.4	39.62

Rankings

	"OLD" NRC (1995)	US NEWS
Biology	Five different areas	
Chemistry	15/168=.09 (1/25)*	19 (8th public)
Math	59/138=.44 (15/25)	40 (22)
Physics and Astronomy	45/146=.32 (8/25)	40 (20)
Statistics	13/58=.22 (4/25)	12 (5)

*** Highest rank of the 25 A&M ranked departments.**

Current State of Biology

- Reinvestment plan assured ILSB, scrubbing and renovation would accommodate most net new faculty.
- BSBW/BSBE in bad shape (.62, .53)
- Renovations very expensive
- Increased enrollment needs additional teaching lab space for biology and chemistry

Current State of Chemistry

- Chemistry hired 12 faculty but lost 10 including Al Cotton and Ian Scott.
- Karan Wooley and Tadhg Begley replaced Cotton and Scott- Wooley is on the 4th floor of '72 wing of chemistry, Begley in ILSB (along with Russell, Cremer, Burgess, Barondeau)
- July 24, 2006: Report of FP&C commissioned study by Pierce Goodwin Alexander Linville (PGAL):
  - Major deficiencies throughout complex including code, safety, HVAC, etc.
  - Recommended several options costing $175M-$225M
  - Because of possible hazards and outstanding status of department, I hope chemistry will be first on any list to address.

Current State of Physics & Astronomy

- There was no plan for accommodating reinvestment-
- Fortunately, Mitchell Buildings and half of the Munnerlyn Building (old FP&C next to Northside Garage) helped tremendously
- They are vacating all they can in Engineering Physics

Mitchell Buildings

Institute	51,850	19,729	Atrium, Offices, and Hawking Auditorium
Physics	151,048	75,933	18,000 a.s.f. for labs, rest for offices and teaching spaces
Total	202,898	95,662	

Current State of Math & Statistics

- Math hired 17 reinvestment faculty, have space in Blocker.
- Half of math is in Blocker, half in Milner (total of 200 faculty/staff/graduate student offices)-very harmful to programs.
- Statistics hired 15 reinvestment faculty-have space in Blocker.
- Statistics needs a server room, another computer lab, and space for distance education.

Comments on Phase 1 and Phase 2

- Renovation in BSBW, BSBE, Butler is not new space.
- Mitchell Buildings are not 55,000 net new

Common Issues for Future

- Many of the reinvestment faculty are outgrowing their initial spaces, this is already becoming a problem.
- Increased enrollment has greatly increased teaching lab needs in Biology, Chemistry, and Physics. We are working with the provost to try and resolve this.
- It is getting harder and harder to hire outstanding faculty into old and obsolete spaces in biology and chemistry (modern research spaces are often very different).
- Six or seven of the senior faculty to be hired as part of the master plan will be administratively located in science.