

Administrative Leadership Meeting

Tuesday, January 18, 2011
Chancellor Randy Woodson

Upcoming Meeting Topics

- January 18 – Student Success (Stewart Theater)
- March 15 – Space Utilization (Titmus Theater)
- May 10 – Faculty Resources (Stewart Theater)

Celebrate the Naming of Poole College of Management

- Largest Gift in NC State's history - \$40 Million
 - \$37 million to support an endowment for the College of Management
 - Create Center of Excellence in Sustainability
 - \$2.5 million to fund the Carol Johnson Poole Clubhouse at the Poole Golf Course
 - \$500,000 to fund the Carol Johnson Poole Endowment for the Humanities and Social Sciences

Ranked as a Best Value

Kiplinger's Special Report

- Nation's 15th best value among public universities
- Nation's 13th best value for out-of-state students
- NC State has consistently ranked in the top 20

Princeton Review

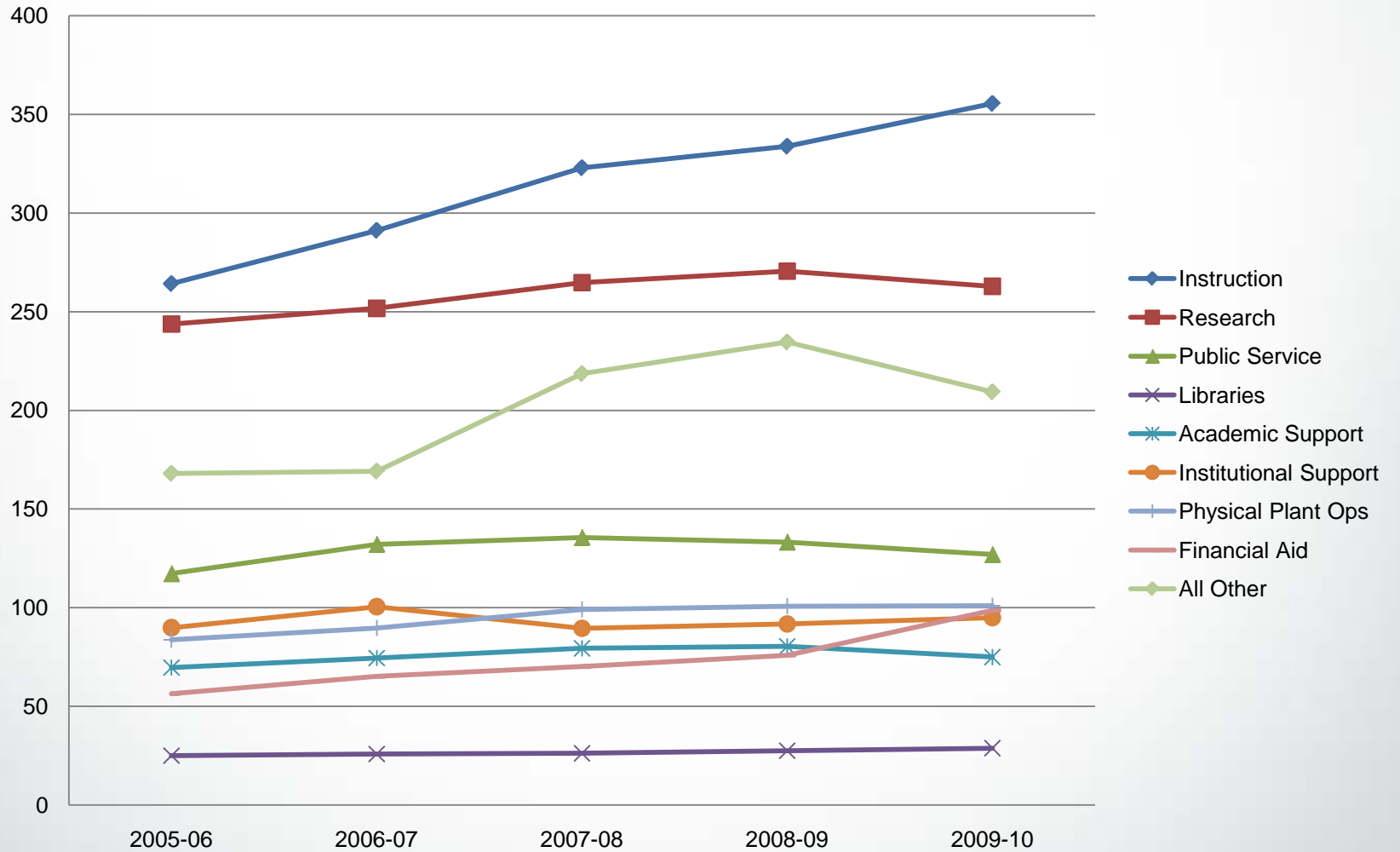
- 13th in Best Overall Public University Value

US News and World report

- 6th in Best Overall Public University Value

Expenditures by Purpose 5-Year Trend

(in millions)



Budget

Questions?

Undergraduate Student Success

- Graduate in a timely manner
- Have quality academic and non-academic experiences that prepare them to become leaders in their fields and prepare them for life

Success in Relation to Degree Completion

- NCSU's retention and graduation rate trends

Freshman Cohort Retention Rates

Cohort	N	Retained and Enrolled at Beginning of:					
		Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
1995	3,499	86.6%	76.3%	70.0%	42.6%	11.3%	4.0%
1996	3,519	88.0%	78.6%	73.4%	43.2%	11.3%	4.8%
1997	3,621	87.9%	78.0%	72.0%	43.1%	11.7%	4.2%
1998	3,619	88.0%	79.1%	74.1%	42.7%	10.5%	3.8%
1999	3,528	89.0%	81.2%	77.0%	40.2%	9.2%	3.8%
2000	3,732	88.7%	82.0%	77.7%	38.9%	9.3%	3.2%
2001	3,810	89.2%	82.0%	76.7%	37.1%	9.0%	3.3%
2002	3,613	90.1%	82.6%	77.7%	37.9%	8.0%	3.2%
2003	3,686	91.2%	84.4%	79.8%	36.0%	8.5%	2.8%
2004	3,835	89.3%	82.4%	78.5%	35.7%	8.7%	3.1%
2005	4,243	89.2%	82.5%	79.0%	36.2%	8.4%	
2006	4,535	89.0%	82.3%	77.7%	35.7%		
2007	4,785	90.2%	84.0%	79.7%			
2008	4,660	90.8%	84.0%				
2009	4,638	88.4%					

Source: http://www2.acs.ncsu.edu/UPA/internaldata/retention/atr_cens2010_total.htm

NCSU Calculation : Cohort includes part-time freshmen and deceased students.

Freshman Cohort Graduation Rates

		Graduated by Beginning of:					
Cohort	N	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
1995	3,499	0.0%	0.1%	0.8%	25.9%	55.0%	61.8%
1996	3,519	0.0%	0.0%	0.6%	27.6%	57.7%	64.2%
1997	3,621	0.0%	0.1%	0.4%	26.7%	56.4%	63.4%
1998	3,619	0.0%	0.0%	0.8%	29.8%	61.0%	67.0%
1999	3,528	0.0%	0.1%	0.9%	35.6%	65.2%	70.6%
2000	3,732	0.0%	0.0%	0.9%	37.0%	65.1%	70.4%
2001	3,810	0.0%	0.1%	0.8%	37.1%	64.8%	69.7%
2002	3,613	0.0%	0.0%	1.3%	38.5%	66.2%	71.6%
2003	3,686	0.0%	0.0%	1.0%	42.1%	68.6%	73.7%
2004	3,835	0.0%	0.1%	1.1%	41.4%	66.3%	72.2%
2005	4,243	0.0%	0.0%	1.0%	40.0%	66.5%	
2006	4,535	0.0%	0.0%	0.9%	39.9%		
2007	4,785	0.0%	0.0%	1.2%			
2008	4,660	0.0%	0.0%		4-YEAR RATE		6-YEAR RATE
2009	4,638	0.0%					

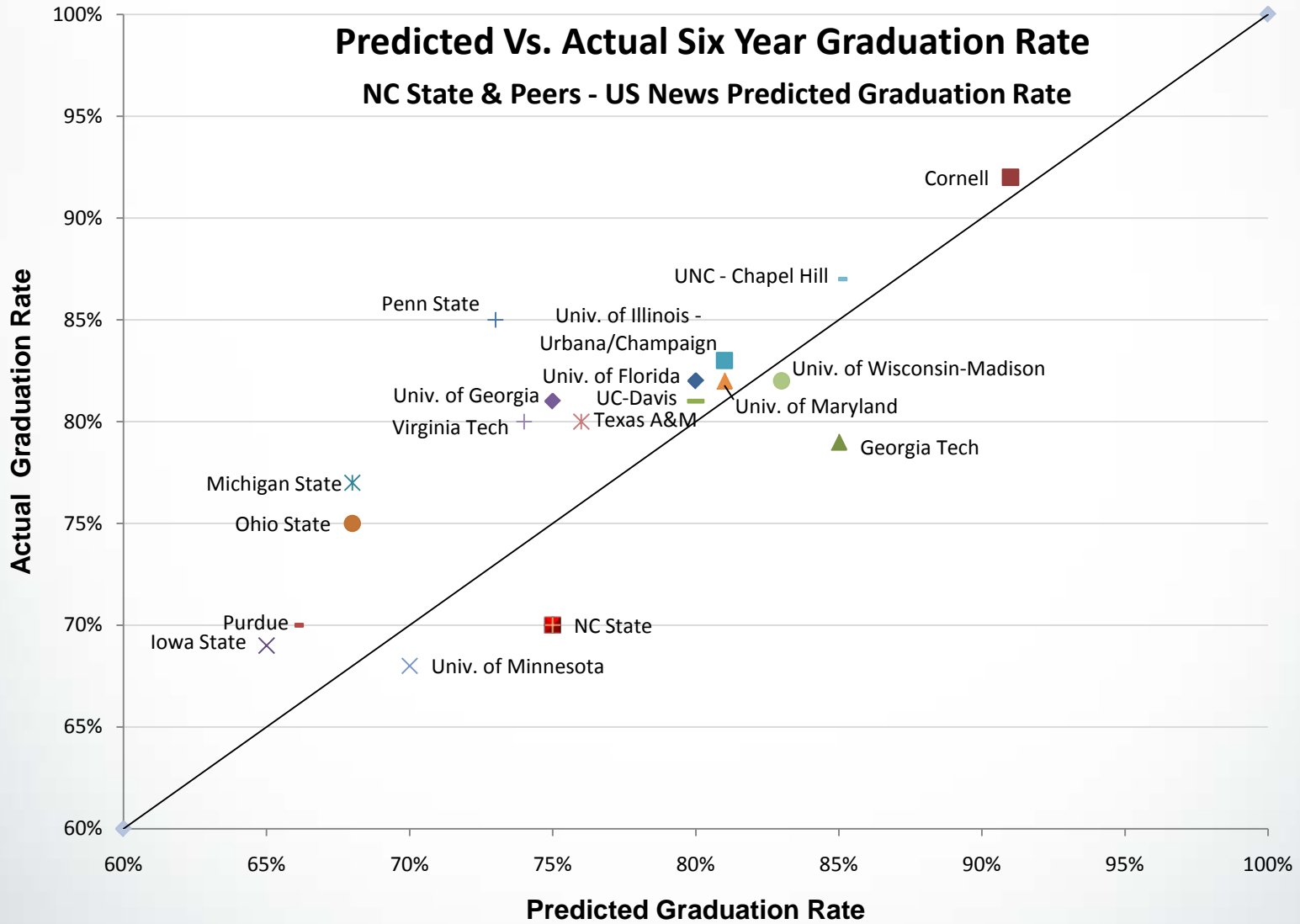
Source: http://www2.acs.ncsu.edu/UPA/internaldata/retention/atr_cens2010_total.htm
 NCSU Calculation : Cohort includes part-time freshmen and deceased students.

Freshman Retention & Graduation Rates

Institution	Freshman Retention 2007 Cohort	Graduation Rate (2001 Cohort) in:		
		4 Years	5 Years	6 Years
Cornell University	96%	85%	91%	92%
University of Florida	95%	58%	79%	82%
Univ. of Georgia	94%	51%	77%	81%
Univ. of Wisconsin – Madison	94%	50%	79%	82%
Georgia Institute of Tech.	93%	31%	71%	79%
Ohio State	93%	46%	71%	75%
Penn State Univ.	93%	62%	82%	85%
Univ. of Illinois – Urbana	93%	65%	81%	83%
Univ. of Maryland	93%	63%	80%	82%
Texas A&M Univ.	92%	45%	75%	80%
Michigan State	91%	49%	73%	77%
University of California – Davis	91%	51%	76%	81%
Virginia Polytechnical Institute	91%	53%	77%	80%
NC State University	90%	37%	64%	70%
University of Minnesota	88%	45%	65%	68%
Purdue Univ. - Main Campus	86%	38%	64%	70%
Iowa State Univ.	84%	35%	65%	69%

Source: US News 2011 Edition published in 2010 based on data collected by USN&WR.

National Rate Calculation: Cohort excludes part-time freshmen and deceased students. Used by UNC-GA, IPEDS, US News, and peer comparisons.



Source: US News 2011 Edition published in 2010 based on data collected by USN&WR.

National Rate Calculation: Cohort excludes part-time freshmen and deceased students. Used by UNC-GA, IPEDS, US News, and peer comparisons.

Predicted rate formula owned and controlled by USN&WR, based on test scores and institutional resources.

College Of Graduation by College Of Entry

College of Graduation* - Fall 2001 to Fall 2003 New Freshman Cohorts												
College of New Freshman Entry		Did Not Graduate	CALS	Design	Education	Engineering	CNR	CHASS	PAMS	Textiles	COM	Total Graduates
	CALS	28.5%	58.1%	0.1%	0.9%	0.5%	1.8%	6.9%	1.0%	0.3%	1.9%	71.5%
	Design	14.1%	1.2%	77.2%	0.0%	0.4%	0.0%	3.3%	0.4%	1.2%	2.1%	85.9%
	Education	28.4%	2.7%	0.0%	47.0%	0.5%	2.2%	13.7%	3.3%	1.1%	1.1%	71.6%
	Engineering	27.1%	6.1%	0.2%	1.8%	49.2%	1.2%	6.1%	3.2%	1.4%	3.7%	72.9%
	CNR	26.2%	5.4%	0.0%	1.3%	3.8%	51.1%	7.3%	1.6%	0.6%	2.6%	73.8%
	CHASS	29.1%	2.0%	0.5%	1.1%	0.5%	0.9%	61.4%	0.3%	0.6%	3.5%	70.9%
	PAMS	24.8%	6.4%	0.0%	0.5%	3.3%	1.0%	6.7%	53.2%	0.5%	3.5%	75.2%
	Textiles	23.7%	4.7%	0.8%	0.8%	1.1%	3.1%	11.5%	0.0%	48.0%	6.1%	76.3%
	COM	21.0%	1.7%	0.0%	0.4%	0.9%	0.6%	4.3%	0.3%	0.6%	70.3%	79.0%
DUAP	31.8%	11.2%	1.0%	2.3%	6.6%	5.9%	25.2%	1.9%	1.3%	12.8%	68.2%	

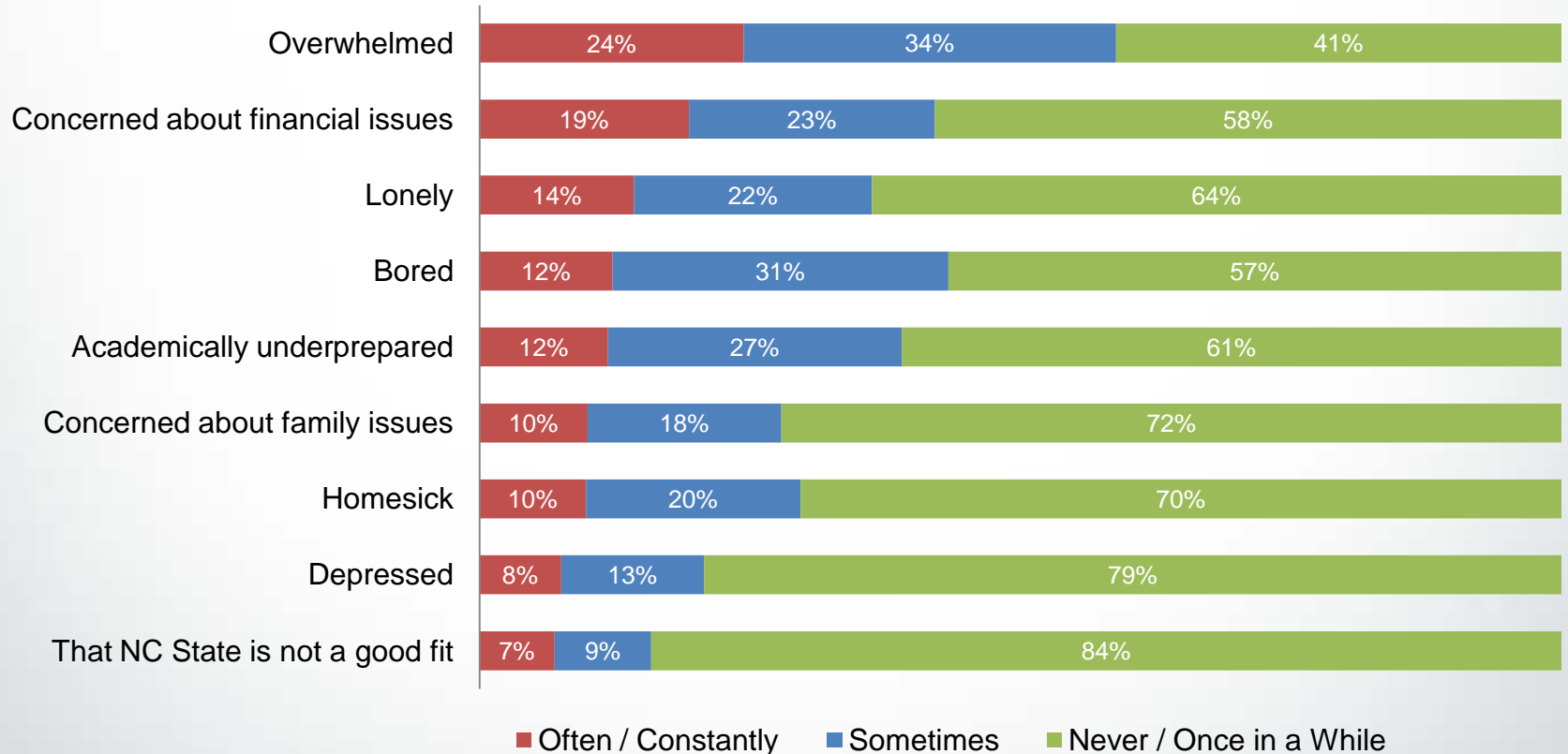
*Percent of 2001 to 2003 fall freshman cohorts that graduated before Fall 2009

Success in Relation to Degree Completion

- NCSU's retention and graduation rate trends
- Factors affecting success

2010 First Term Survey

How often I felt:



Survey Return Rate: 30.8% (1447)

Why Our Students Consider Leaving

Have you ever considered withdrawing or transferring from NC State?	2007	2008		2010	
	Seniors	Seniors	Sophomores	Seniors	Sophomores
No	78%	78%	60%	79%	54%
Yes, not seriously	11%	10%	24%	10%	29%
Yes, seriously	8%	9%	15%	9%	15%
Yes, left and came back	3%	3%	1%	2%	2%
Total (N)	2,380	2,060	1,337	2,079	979
Please briefly explain why you have considered leaving, have left, or plan to leave NC State*.					
Curriculum/program	30%	33%	44%	33%	40%
Campus life	19%	25%	17%	25%	26%
Personal	29%	35%	26%	25%	22%
Financial	7%	7%	8%	8%	9%
Class environment	7%	8%	11%	7%	8%
Poor performance	6%	3%	4%	6%	4%
Location	9%	3%	3%	5%	8%
Wanted to attend diff. school	4%	3%	2%	4%	4%
Diversity	na	na	2%	3%	2%
Advising	2%	3%	1%	2%	4%
Non-academic opportunity	2%	2%	na	0%	3%
Miscellaneous	na	na	na	5%	na
Total (N)	499	461	537	443	235

Data from sophomore surveys and graduating senior surveys.

*Note that respondents could offer more than one reason and "na" indicates that the response was not an option.

UNC-GA Student Retention Project

Factors analyzed

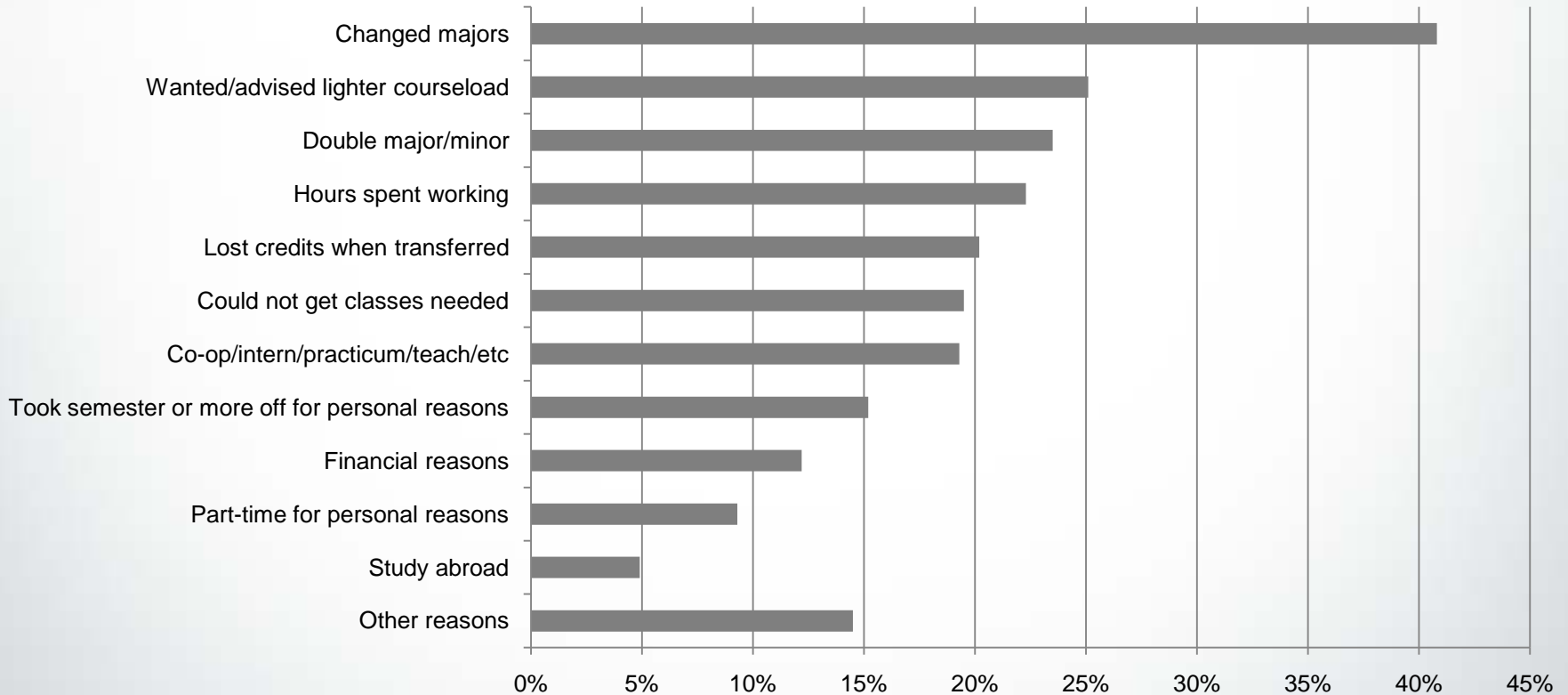
- high school GPA
- total SAT
- high school GPA-SAT interaction
- SAT squared
- high school GPA squared
- gender
- race=African American
- race=other, non-white
- race=African American and gender=female
- race=other, non-white and gender=female
- received need-based financial aid
- received merit-based financial aid
- received need-based financial aid and merit-based financial aid
- out of state resident
- commuter student
- number of UNC institutions applied to
- has transfer credits
- has credits from another institution
- received Pell Grant
- in a Federal work study program
- denied admission to another UNC institution
- natural log of distance from high school to campus
- out of state-distance from high school interaction

Factors Relevant to NC State

- Better prepared students, as measured by high school GPA and SAT math scores, have higher retention and graduation rates.
- College of Engineering freshman are more likely to matriculate into a degree-granting major if they succeed in Calculus I and Chemistry.
- When students with identical preparation are compared, the performance is nearly identical among commuters and on-campus residents
- Participating in a University Housing learning community is significantly correlated with higher one-year retention rates and first semester GPAs.

Time to Degree

Reasons Given for Taking More than 4 Years to Graduate 2010 Senior Survey



* 2010 Senior Survey: 49% of respondents (N=1013) responded that it took them longer than 4-years to graduate.

Note: Respondents could offer more than one reason.

Time to Degree by Major Changing Status

2004 Freshman Cohort as of Fall 2010

	Cohort Size	Did Not Graduate	Graduated from Different College and Major Than Entry*		Graduated in Same College with Different Major*		Graduated in Same Major as Entered*	
			N	Semesters to Degree**	N	Semesters to Degree**	N	Semesters to Degree**
CALS	613	166	90	8.93	91	8.70	266	8.32
Design	85	8	10	9.30	9	8.67	58	8.40
Education	81	17	21	8.52	9	8.44	34	8.18
COE	1235	357	277	9.16	140	9.28	461	9.08
CNR	118	34	27	8.56	21	9.00	36	9.19
CHASS	379	100	38	8.66	79	8.25	162	8.06
PAMS	178	49	37	8.92	24	8.71	68	8.10
Textiles	130	38	35	8.77	10	8.70	47	8.70
COM	321	71	20	8.65	53	8.30	177	8.30
DUAP	707	226	109	8.79	10	9.00	362	8.74
Total	3847	1066	664	8.95	446	8.77	1671	8.61

* Changing curriculums along an intended path is not counted as a major change. For example, changing from Textile Engineering Preference to Textile Engineering is not considered a major change.

** Limited to students graduating in twelve semesters or less.

Time to Degree by Major Changing Status

2004 Freshman Cohort as of Fall 2010

	Cohort Size	Graduates	0 Major Changes*		1 Major Change*		2 Major Changes*		3+ Major Changes*	
			N	Semesters to Degree**	N	Semesters to Degree**	N	Semesters to Degree**	N	Semesters to Degree**
CALS	613	447	273	8.36	143	8.80	25	8.76	6	8.47
Design	85	77	60	8.42	14	9.00	3	9.00		
Education	81	64	41	8.41	19	8.16	4	8.25		
COE	1235	878	628	9.06	211	9.27	35	9.60	4	9.25
CNR	118	84	39	9.41	35	8.46	7	8.71	3	9.00
CHASS	379	277	170	8.11	85	8.35	19	8.11	3	8.80
PAMS	178	129	79	8.16	39	8.82	9	9.22	2	9.00
Textiles	130	92	47	8.77	24	8.58	17	8.88	4	8.50
COM	321	250	180	8.32	57	8.23	12	8.92	1	8.00
DUAP	707	481	362	8.74	109	8.80	9	8.89	1	12.00
Total	3847	2779	1879	8.67	736	8.80	140	8.94	24	8.88

* Major changes from non-degree granting curriculums are not included as a major change.

** Limited to students graduating in twelve semesters or less (excludes summer school).

Success in Relation to Degree Completion

- NCSU's retention and graduation rate trends
- Factors affecting success
- Strategies for improving success

Incoming Student Qualifications

New Freshman Cohort Metrics – Fall 2000 to Fall 2010

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Cohort size	3732	3810	3613	3686	3835	4243	4535	4785	4660	4638	4560
SAT Math	607	602	615	615	613	608	608	603	607	612	611
SAT Reading	578	573	578	580	580	575	569	568	569	572	575
SAT M+R	1185	1175	1193	1195	1192	1183	1178	1171	1176	1184	1186
SAT Writing							555	557	560	561	559
HS GPA (wtd)	3.94	3.91	4.00	4.05	4.09	4.07	4.11	4.12	4.17	4.19	4.24
HS %ile Rank	82.8%	81.7%	83.1%	84.2%	84.6%	82.9%	83.2%	82.5%	83.9%	84.4%	84.7%
1-yr ret rate	88.7%	89.2%	90.1%	91.2%	89.3%	89.2%	89.0%	90.2%	90.7%	88.4%	
4-yr grad rate	37.0%	37.1%	38.5%	42.1%	40.0%	39.9%					
6-yr grad rate	70.2%	69.5%	71.3%	73.2%	72.2%						

Conditions that Support Student Retention

- Our **high expectation** of students
- **Good advice**: clear personal goals, choices, requirements, road maps, including the opportunity to change majors
- **Strong support**: academic, social, personal
- **Student involvement**: contact with faculty, staff, other students
- **Successful learning**

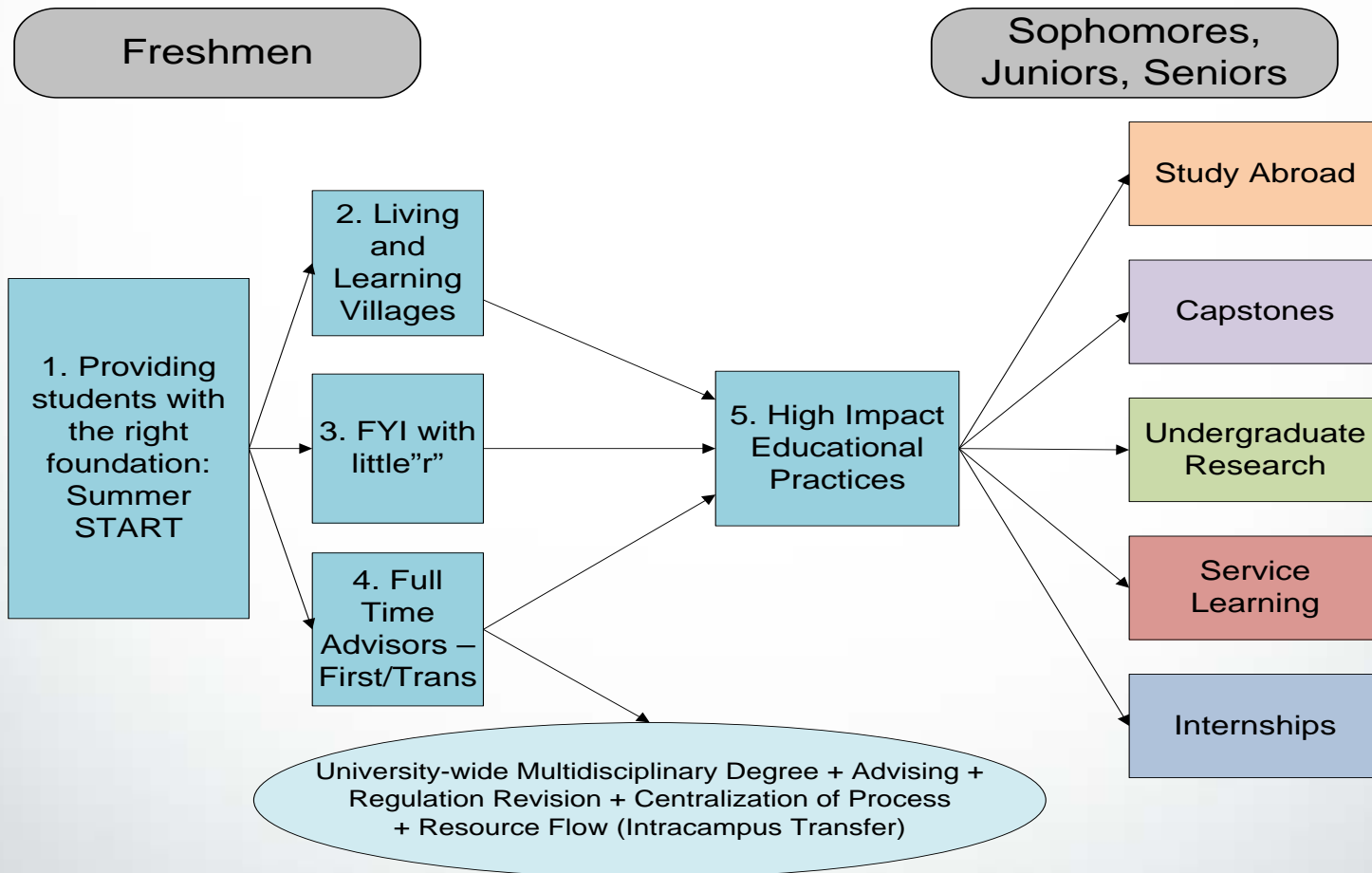
Undergraduate Student Success Task Force

Co-Chairs: Maxine Atkinson, Jo-Ann Cohen & Marycobb Randall

Task Force Recommendations:

- Improve intracampus transfer process
- Five key initiatives
 1. First Year Transition (Summer START)
 2. Living and Learning Villages
 3. The First Year Inquiry Program
 4. Proactive/Intrusive Academic Advising
 5. High Impact Educational Practices (Study Abroad, Capstones, Undergraduate Research, Service Learning, and Internships)

Undergraduate Student Success Integrated Plan



Students' Postgraduate Success

Are our students prepared for:

- Careers
- Graduate School
- Life-long learning

NCSU Baccalaureate Alumni Survey

		2006		2009	
		N = 3,230		N = 2,933	
Primary activity during the year after completion of undergraduate degree <i>Note: Respondents could provide more than one response.</i>	Worked full-time	72%		68%	
	Worked part-time	10%		12%	
	Military service	2%		1%	
	Homemaker	1%		1%	
	Attended graduate/professional school full-time	19%		18%	
	Attended graduate/professional school part-time	2%		2%	
	Travel	5%		4%	
	Other	2%		4%	
		Mean	N*	Mean	N*
Preparation by NCSU for post-graduate activities 1=poor, 2=fair, 3=average, 4=good, 5=excellent	Preparation for graduate/professional school	4.1	771	4.2	1,091
	Preparation for first full-time permanent position	4.0	2,895	4.0	2,508
	Preparation for current position	3.9	2,812	4.0	2,438
	Preparation to be competitive w/ grads from other institutions (1=disagree, 2=tend to disagree, 3=neither agree/disagree, 4=tend to agree, 5=agree)	4.3	3,230	4.3	2,256

Note: The spring 2006 Alumni Survey population included undergraduates receiving a degree in summer 2000 through May 2003. The spring 2009 Alumni Survey population included undergraduates receiving a degree in summer 2003 through May 2006. 6

*Ns vary because not all graduates participated in the same post-graduate activities.

WSJ Recruiter Rankings

Official Peers	Overall	Accounting	Business / Economics	Computer Science	Engineering	Finance	MIS
Penn State Univ. - Main Campus	1	5	11	7	9	6	2
Texas A & M University	2		24		16	5	
Univ. of Illinois - Urbana / Champaign	3	3		9	4		
Purdue University - Main Campus	4			8	2		1
Georgia Institute of Technology	7			4	1		3
University of Maryland	8	7	21	10	3		
University of Florida	9		23			12	
Ohio State University	12		2		13		
Virginia Polytechnic Institute	13			5	5		
Cornell University	14				7		
University of Wisconsin - Madison	16	2			20	8	
NC State University	19				15		
Michigan State University	26-46						
University of Georgia	26-46						
University of Minnesota	26-46	4			10	11	
Iowa State University					14		
University of California - Davis	Not part of survey population						

Questions and Comments