



Best Colleges for 2012 (Fall 2011 Release)

Comparison of NC State to its Peers and UNC-CH

Institution	National Rank	Public National Rank	2010 Percent Top Ten in HS	2010 Acceptance Rate	2010 Alumni Giving Rate	2010 Financial Resource Rank	Faculty Compensation (x1,000)	Faculty w/ Terminal Degree
UNC – Chapel Hill	29	5	78%	32%	22%	29	\$105.4	89%
Georgia Tech	36	7	89%	52%	28%	52	\$112.9	83%
Univ. of California – Davis	38	9	100%	45%	9%	29	\$104.5	98%
Univ. of Wisconsin – Madison	42	10	56%	57%	11%	49	\$97.4	87%
Univ. of Illinois – Urbana/Champaign	45	13	56%	67%	13%	60	\$103.5	88%
Pennsylvania State Univ.	45	13	46%	55%	21%	60	\$90.1	73%
Univ. of Maryland	55	17	71%	44%	10%	86	\$102.8	81%
Ohio State Univ.	55	17	54%	68%	15%	69	\$105.5	72%
Univ. of Florida	58	19	74%	43%	15%	49	\$89.4	77%
Texas A&M Univ.	58	19	50%	69%	21%	79	\$85.3	90%
Purdue Univ.	62	23	37%	65%	19%	86	\$96.4	97%
Rutgers Univ.	68	25	43%	59%	10%	77	\$108.9	99%
Virginia Tech	71	28	45%	67%	15%	133	\$113.4	77%
Michigan State Univ.	71	28	29%	70%	14%	90	\$94.5	89%
Iowa State Univ.	97	42	29%	81%	15%	122	\$88.3	88%
NC State Univ.	101	45	42%	54%	11%	90	\$88.5	86%
Univ. of Arizona	124	58	31%	75%	5%	82	\$89.8	89%
Colorado State Univ.	128	61	23%	81%	7%	144	\$88.9	100%



Best Colleges – US News & World Report

NC State University Change in US News Data

Category	2004 Edition	2005 Edition	2006 Edition	2007 Edition	2008 Edition	2009 Edition	2010 Edition	2011* Edition	2012 Edition
National rank	84th	86th	78th	81st	85th	83rd	88th	111th	101st
Public national rank	39th	39th	34th	36th	38th	37th	39th	52nd	45th
Peer assessment	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
High school counselor assessment	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.7	3.6
Freshman retention	89%	89%	90%	90%	90%	90%	89%	90%	90%
Graduation rate (6 yr)	64%	63%	67%	71%	70%	69%	70%	70%	71%
% Classes with under 20 students	35%	32%	34%	31%	33%	32%	31%	29%	30%
% Classes with 50 or more students	16%	16%	16%	15%	16%	16%	16%	20%	20%
Student/faculty ratio	16/1	15/1	16/1	16/1	16/1	16/1	17/1	17/1	18/1
% Full time faculty	99%	97%	96%	96%	96%	96%	96%	97%	97%
SAT of entering freshmen 25th/75th percentile	1090-1300	1100-1300	1100-1290	1090-1280	1080-1280	1070-1260	1080-1280	1080-1280	1090-1280
% Entering freshmen in top 10% of HS class	37%	40%	43%	36%	37%	34%	40%	41%	42%
Acceptance rate	59%	62%	59%	66%	61%	60%	59%	55%	54%
Alumni giving rate	15%	23%	32%	33%	30%	24%	16%	11%	11%
Financial resources rank	N/A	N/A	N/A	N/A	N/A	85th	77th	90th	90th
Faculty compensation (x 1,000)	N/A	N/A	N/A	N/A	\$80.7	\$84.6	\$87.5	\$88.1	\$88.5
Faculty with terminal degree	N/A	N/A	N/A	N/A	87%	87%	85%	85%	86%

* Changes for 2011 edition: Peer assessment weight changed from 25% to 15%; added High School Counselor Assessment; graduation rate performance changed from 5% to 7.5%



Best Colleges for 2012 (Fall 2011 Release)

Comparison with Public Institutions Ranked Just above NC State Overall

Category	NC State Univ.	Univ. of California Riverside	Univ. of Mass. Amherst	Univ. of Missouri	Miami Univ. - Ohio	Binghamton Univ. - SUNY	Univ. of Vermont	Auburn Univ.	Univ. of Delaware
National rank	101	97	94	90	90	90	82	82	75
Public national rank	45	43	41	39	38	37	36	34	33
Peer assessment	3.1	3.1	3.2	3.3	3.2	3.0	3.0	3.2	3.1
High school counselor assessment	3.6	3.4	3.8	3.9	3.7	3.7	3.6	3.8	3.7
Freshman retention	90%	85%	87%	85%	89%	90%	86%	87%	91%
Graduation rate	71%	70%	69%	69%	80%	78%	77%	66%	77%
% Classes with under 20 students	30%	40%	45%	47%	32%	39%	47%	24%	37%
% Classes with 50 or more students	20%	8%	17%	15%	12%	16%	14%	17%	15%
Student/faculty ratio	18/1	18/1	19/1	20/1	17/1	21/1	17/1	18/1	15/1
% Full time faculty	97%	93%	95%	97%	91%	86%	92%	96%	93%
SAT of entering freshmen 25th/75th percentile	1090-1280	930-1170	1060-1260	1070-1260	1110-1300	1200-1370	1085-1280	1110-1340	1090-1300
% Entering freshmen in top 10% of HS class	42%	94%	25%	25%	33%	50%	27%	46%	39%
Acceptance rate	54%	76%	68%	84%	79%	40%	71%	79%	54%
Alumni giving rate	11%	7%	11%	16%	16%	8%	15%	31%	10%



US News & World Report: Specialized Lists – 2012 Edition (Fall 2011)

- 100th High School Counselor Ranking
- Great Schools, Great Prices: 3rd out of 7 public universities; 20th out of all 50 schools ranked as giving students the best value
- Programs to Look For: Writing in the Disciplines*
- 27th in Undergraduate Engineering Program: 16th among Public
 - 10th in Undergraduate Agricultural Engineering
 - 19th in Undergraduate Chemical Engineering
 - 17th in Undergraduate Environmental Engineering
 - 10th in Undergraduate Industrial/Manufacturing Engineering
- 81th in Undergraduate Business

* List of 17 schools with outstanding programs that make writing a priority at all levels of instruction and across the curriculum



US News: Graduate Rankings

grad-schools.usnews.rankingsandreviews.com/best-graduate-schools

Discipline		2011 Edition released 3/2010	2012 Edition released 3/2011	2013 Edition released 3/2012
Engineering	Engineering (Overall)	30	31	31
	Aerospace Engineering	29	29	27
	Biological and Agricultural Engineering	9	9	9
	Biomedical Engineering		37	**
	Chemical Engineering		20	20
	Civil Engineering	22	22	20
	Computer Engineering	37 *	28	30
	Electrical Engineering	31	31	30
	Environmental Engineering		28	31
	Industrial Engineering	13	13	8
	Materials Engineering	31	31	21
	Mechanical Engineering		39	38
	Nuclear Engineering	7	7	6

Notes: * This ranking is from 2007. **The joint degree program with Chapel Hill is ranked 42
Blanks indicate NC State was not ranked, or no ranking was published for this discipline.



US News: Graduate Rankings

grad-schools.usnews.rankingsandreviews.com/best-graduate-schools

Discipline		2011 Edition released 3/2010	2012 Edition released 3/2011	2013 Edition released 3/2012
Public Affairs	Public Affairs (Overall)		51	53
	Information & Technology Management		9	
	Non-profit Management		16	21
Sciences	Computer Science	47	47	47
	Biological Sciences		82	82
	Chemistry		60	60
	Mathematics		51	51
	Physics		52	52
	Statistics	12	12	12
Social Sciences	Economics	50	50	50
	Psychology		91	91
	Sociology	48	48	48
Health: Social Work				79
Business		66	83	78
Education			66	73
Textiles		1 *		
Veterinary Medicine		5 *	3	3

Notes: * This ranking is from 2007.

Blanks indicate NC State was not ranked, or no ranking was published for this discipline.



The Center for Measuring University Performance

mup.asu.edu/research.html

- **Purpose:** To improve the performance of American research universities
- **Population:** Institutions with more than \$20 million in annual federal research expenditures
- **Frequency:** Annual report on *The Top American Research Universities*
 - 2010 report released Fall 2011





The Center

2010 Center Measure Categories & Sources

Category	Data Source
Total research expenditures x \$1000 (2008)	NSF/SRS Survey of R&D Expenditures at Universities and Colleges
Federal research expenditures x \$1000 (2008)	NSF/SRS Survey of R&D Expenditures at Universities and Colleges
Endowment assets x \$1000 (2009)	NACUBO Endowment Study as reported in the <i>Chronicle of Higher Education</i>
Annual giving x \$1000 (2009)	Council for Aid to Education's Voluntary Support of Education (VSE) Survey
National academy members (2009)	National Academy of Sciences, National Academy of Engineering, and Institute of Medicine membership online directories
Faculty awards (2009)	Directories or web-based listings for multiple agencies or organizations.
Doctorates granted (2009)	NCES IPEDS Completions Survey, doctoral degrees awarded between July 1 and June 30.
Postdoctoral appointees (2008)	NSF/Division of Science Resource Statistics (SRS) Survey of Graduate Students and Postdoctorates in Science and Engineering.
Middle 50% SAT Math & Verbal (2008)	NCES IPEDS Survey, SAT and ACT Scores.



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NC State's Rank Among Top Universities

Category	Top American Research Universities 2010 Edition		
	Year's Value	Rank Among Publics	Rank Among All
Rank		31*	59**
Total research expenditures x \$1000 (2008)	\$366,137	27	44
Federal research expenditures x \$1000 (2008)	\$131,412	44	71
Endowment assets x \$1000 (2009)	\$463,866	41	119
Annual giving x \$1000 (2009)	\$89,685	39	67
National academy members (2009)	17	31	53
Faculty awards (2009)	12	35	55
Doctorates granted (2009)	457	22	32
Postdoctoral appointees (2008)	253	33	60
Middle 50% SAT Math (2008)	550 650	65	252
Middle 50% SAT Verbal (2008)	520 610		

Notes

*2 institutions share 31st on the Publics list with NC State University

**8 institutions share 59th on the Overall list with NC State University

Source: <http://mup.asu.edu/>



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Trends in NC State's Performance

Category	<i>Top American Research Universities Edition</i>						
	2004	2005	2006	2007	2008	2009	2010
Overall rank among all institutions	56th	53rd	54th	56th	55th	66th	59th
Number of measures in top 25 among all	0	0	0	0	0	0	0
Number of measures in top 26-50 among all	5	6	5	4	4	2	2
Overall rank among public institutions	24th	27th	27th	27th	29th	34th	31st
Number of measures in top 25 among public	5	3	3	2	3	1	1
Number of measures in top 26-50 among public	2	5	5	6	6	8	7
Total research expenditures x \$1000	\$290,018	\$286,025	\$292,720	\$302,596	\$330,936	\$331,662	\$366,137
Federal research expenditures x \$1000	\$91,981	\$96,157	\$103,586	\$109,128	\$131,262	\$131,056	\$131,412
Endowment assets x \$1000	\$289,060	\$324,189	\$380,541	\$412,298	\$535,003	\$544,551	\$463,866
Annual giving x \$1000	\$122,748	\$138,487	\$126,344	\$138,299	\$162,352	\$201,943	\$89,685
National academy members	18	18	17	17	17	17	17
Faculty awards	7	14	14	12	10	10	12
Doctorates granted	322	338	343	369	411	328	457
Postdoctoral appointees	301	363	365	416	337	274	253
Middle 50% SAT Math			570 660	570 660	560 660	560 660	550 650
Middle 50% SAT Verbal			530 630	530 630	530 620	520 620	520 610
Median SAT	1195	1200	1200	1200	1180	1180	

Source: <http://mup.asu.edu/>



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Comparison with Public Institutions Ranked Equal or Just Above NC State Overall (2010 Edition)

Category	NC State Univ.	Univ. of Utah	Univ. of Cincinnati	Indiana Univ.	Univ. of Iowa	Michigan State Univ.	Univ. of Alabama Birming.	Rutgers Univ.	Univ. of Colorado Boulder
Overall rank among all institutions	59th	59th	59th	57th	55th	54th	52nd	46th	43rd
# of measures in top 25 among all	0	0	0	0	0	0	1	1	1
# of measures in top 26-50 among all	2	2	2	3	5	6	1	2	3
# of measures in top 25 among public	1	1	2	3	4	5	2	2	4
# of measures in top 26-50 among public	7	7	6	2	4	3	2	7	3
Total research expenditures x \$1000 (2008)	\$366,137	\$253,891	\$344,046	\$150,778	\$293,564	\$356,767	\$404,615	\$297,694	\$261,123
Federal research expenditures x \$1000 (2008)	\$131,412	\$171,737	\$221,186	\$68,345	\$229,903	\$152,907	\$303,084	\$130,932	\$219,556
Endowment assets x \$1000 (2009)	\$463,866	\$513,400	\$832,942	\$728,544	\$766,262	\$1,332,948	\$282,754	\$501,393	\$335,217
Annual giving x \$1000 (2009)	\$89,685	\$106,886	\$89,727	\$121,827	\$116,924	\$122,725	\$86,296	\$96,391	\$67,756
National academy members (2009)	17	18	9	11	21	7	5	36	28
Faculty awards (2009)	12	16	9	15	13	17	2	26	26
Doctorates granted (2009)	457	312	250	441	404	489	186	410	300
Postdoctoral appointees (2008)	253	346	277	128	368	382	220	221	518
Middle 50% SAT Math (2008) or (ACT Comp Range)	550 650	21 27	21 27	530 640	23 28	23 27	21 27	550 670	24 28
Middle 50% SAT Verbal (2008)	520 610			510 620				520 630	



The Center

Breaking the Top 25 Among All Institutions (Value for #25 is taken from multiple institutions)

Category	NC State University		#25	Difference Δ
	2010 Rank	Value	Value	
Total research expenditures x \$1000 (2008)	44	\$366,137	\$522,136	\$155,999
Federal research expenditures x \$1000 (2008)	71	\$131,412	\$303,084	\$171,672
Endowment assets x \$1000 (2009)	119	\$463,866	\$2,073,205	\$1,609,339
Annual giving x \$1000 (2009)	67	\$89,685	\$202,574	\$112,889
National academy members (2009)	53	17	42	25
Faculty awards (2009)	55	12	26	14
Doctorates granted (2009)	32	457	500	43
Postdoctoral appointees (2008)	60	253	572	319
Middle 50% SAT Math (2008)	252	550 650	670 770	120 120
Middle 50% SAT Verbal (2008)		520 610	630 730	110 120



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NC State Peers (2010 Edition)

Institutions	Overall Rank	Public Rank	Number of measures in top 25	Number of measures in top 26-50
Univ. of Wisconsin – Madison *	6 th	1st	7	1
Ohio State Univ.*	21 st	7 th	4	4
Univ. of Florida *	21 st	1st	4	3
Pennsylvania State Univ.*	29 th	7 th	3	4
Texas A&M Univ.*	29 th	17 th	3	4
Univ. of Illinois – Urbana *	29 th	1 st	3	4
Univ. of California – Davis *	29 th	14 th	3	3
Georgia Tech*	39 th	7 th	1	6
Univ. of Arizona *	39 th	14 th	1	6
Purdue Univ.*	39 th	21 st	1	5
Univ. of Maryland *	39 th	17 th	1	4
Rutgers Univ.*	39 th	26 th	1	2
Michigan State Univ.*	54 th	21 st	0	6
NC State Univ.	59 th	31 st	0	2
Virginia Tech	59 th	40 th	0	2
Colorado State Univ.	67 th	46 th	0	1
Iowa State Univ.*	> 77 th	46 th	0	0

* AAU Member



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NC State Peers (2010 Edition)

Institutions	Overall Rank	Total research expenditures x \$1000	Federal research expenditures x \$1000	Endowment assets x \$1000	Annual giving x \$1000
Univ. of Wisconsin – Madison *	6 th	\$881,777	\$474,440	\$1,566,882	\$341,805
Ohio State Univ.*	21 st	\$702,592	\$335,121	\$1,651,561	\$237,052
Univ. of Florida *	21 st	\$584,170	\$230,999	\$1,010,590	\$202,574
Pennsylvania State Univ.*	29 th	\$620,432	\$359,738	\$907,248	\$146,115
Texas A&M Univ.*	29 th	\$582,365	\$245,607	\$4,572,757	\$186,598
Univ. of Illinois – Urbana *	29 th	\$501,279	\$266,912	\$858,789	\$145,279
Univ. of California – Davis *	29 th	\$642,519	\$268,957	\$538,777	\$92,507
Georgia Tech*	39 th	\$522,136	\$281,184	\$1,237,728	\$113,043
Univ. of Arizona*	39 th	\$545,869	\$277,897	\$436,603	\$141,386
Purdue Univ.*	39 th	\$429,988	\$176,592	\$1,457,543	\$173,835
Univ. of Maryland *	39 th	\$395,037	\$236,417	\$325,439	\$92,685
Rutgers Univ.*	39 th	\$297,694	\$130,932	\$501,393	\$96,391
Michigan State Univ.*	54 th	\$356,767	\$152,907	\$1,332,948	\$122,725
NC State Univ.	59 th	\$366,137	\$131,412	\$463,866	\$89,685
Virginia Tech	59 th	\$373,281	\$135,578	\$451,744	\$78,626
Colorado State Univ.	67 th	\$295,235	\$208,925	\$148,144	\$46,623
Iowa State Univ.*	> 77 th	\$224,368	\$102,771	\$452,209	\$63,171

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NC State Peers (2010 Edition)

Institutions	Overall Rank	National academy members	Faculty awards	Doctorates granted	Post-doctoral appointees	SAT Math Middle 50%	ACT Comp Middle 50%
Univ. of Wisconsin – Madison *	6 th	71	31	786	728		26 30
Ohio State Univ.*	21 st	26	14	738	546		25 30
Univ. of Florida *	21 st	23	22	841	585	590 700	
Pennsylvania State Univ.*	29 th	24	21	632	351	560 670	
Texas A&M Univ.*	29 th	22	18	597	282	560 670	
Univ. of Illinois – Urbana *	29 th	55	30	780	438		26 31
Univ. of California – Davis *	29 th	32	26	500	730	540 660	
Georgia Tech*	39 th	28	19	490	219	650 730	
Univ. of Arizona*	39 th	26	17	479	368	500 620	
Purdue Univ.*	39 th	21	22	651	288	540 660	
Univ. of Maryland *	39 th	27	22	577	235	600 700	
Rutgers Univ.*	39 th	36	26	410	221	550 670	
Michigan State Univ.*	54 th	7	17	489	382		23 27
NC State Univ.	59 th	17	12	457	253	550 650	
Virginia Tech	59 th	14	9	435	177	570 670	
Colorado State Univ.	67 th	6	11	227	266		22 26
Iowa State Univ.*	> 77 th	8	8	316	238		22 27

* AAU Member



Other Rankings/Assessments

- Kiplinger's Magazine
- Princeton Review
- Wall Street Journal
- QS World University Rankings
- National Science Foundation
- NRC Doctoral Program Assessment



Kiplinger Magazine

- 2012 Edition (Released in January 2012)
- **Population:** Traditional four-year public universities with broad-based curriculums.
- NC State is:
 - 19th in Best Value for In-State
 - 26th in Best value for Out-of-State
- www.kiplinger.com/magazine/archives/best-values-in-public-colleges-2012.html



Princeton Review

- 2012 Edition (Released in winter)
- **Population:** The Best Value Colleges for 2012 were selected based upon institutional data and student opinion surveys collected from Fall 2010 through Fall 2011.
- NC State:
 - Considered a “Best Value” Public University
 - Quality of Life Score - 94/100 (2011)
 - Green Rating Score - 89/100 (2011)
- www.princetonreview.com/college-rankings.aspx



Wall Street Journal

- Top Recruiter Picks, September 2010
- Surveyed 479 recruiters in 30 industries about which schools produce the best graduates
- NC State tied for 19th overall, ranked 15th for Engineering
- <http://online.wsj.com/public/page/rankings-career-college-majors.html>



National Science Foundation

- FY 2009 Edition (Released July 2011)
- **Population:** Accredited US Universities offering programs in science and engineering.
- NC State:
 - 47th in Total Research & Development Expenditures
 - 74th in Federally-financed R&D Expenditures
 - 20th in Industry-financed R&D expenditures
- www.nsf.gov/statistics/nsf11313/content.cfm?pub_id=4065&id=2



National Research Council Doctoral Program Assessment

- Released September 2010, uses 2005-06 data collected in 2006-07
- R Rankings (regression-based) - reputational & S Rankings (survey-based) - 20 characteristics
 - 3 additional rankings on student support/outcomes, diversity, & faculty research activity
- 90% confidence level for ranges of rankings: more
- Use data to help gauge NC State doctoral programs in order to improve overall quality



QS World University Rankings

www.topuniversities.com/university-rankings/world-university-rankings

	2005	2006	2007	2008	2009	2010	2011
NC State Overall	274=	274=	248=	219=	269	272	277=

= Tied

Background:

- 2011/12 edition, published September/October 2011
- Previously Thompson Reuters
- Evaluates over 700 universities and ranks top 400

Methodology:

- 40% academic reputation from global survey
- 10% employer survey
- 20% citations/faculty from Sciverse Scopus
- 20% faculty/student ratio
- 5% proportion of int'l students
- 5% proportion of int'l faculty



How to Use Rankings Internally

- Measure progress in strategic directions
- Selection of university metrics and benchmarks
- Communicate our successes and where we have room to improve





2011-2020 Strategic Plan Goals

1. Enhance the success of our students through educational innovation.
2. Enhance scholarship and research by investing in faculty and infrastructure.
3. Enhance interdisciplinary scholarship to address the grand challenges of society.
4. Enhance organizational excellence by creating a culture of constant improvement.
5. Enhance local and global engagement through focused strategic partnerships.



Key Initiatives

- Increase number of T/TT faculty
 - Chancellor's Faculty Excellence Program
- Improve student success through improved admission & enrollment management
 - 2020 Enrollment Plan
- Promote undergraduate student success
 - DASA merger
- Promote graduate student & post-doctoral success
- Improve processes for providing support to the research enterprise
- Increase endowment and annual giving



NC STATE UNIVERSITY | 125
YEARS

Questions