



KentuckianaWorks Human Capital Scorecard Postsecondary Degree Report

December 2010

This seventh update of the *KentuckianaWorks Human Capital Scorecard* includes recently released data on college attainment of the adult population, enrollments and degrees awarded by level for postsecondary institutions, the high school graduation rate and the number of GED passers. In addition, data is presented on educational attainment by age cohort. This release supercedes previous versions of the *Scorecard*.

The *Scorecard* provides these key measures of educational activity in the Louisville area along with a snapshot of where Louisville ranks among 16 comparison metropolitan markets. The KentuckianaWorks' board believes Louisville's economic future hinges on having a flexible and highly educated workforce, and that it is not acceptable to wait until after the 2010 census to see if the community's improvement efforts have been successful. Hence, the board has commissioned this annual tracking system, so all stakeholders can monitor the Louisville area's progress throughout the decade.

Data through 2009 are available, and certain patterns are emerging in the *Scorecard* tracking:

- ❖ The percentage of Jefferson County and Louisville metro area adults with high school degrees remained at the higher level established in 2008, while the percentage of adults with college degrees continued its climb and increased by one percentage point. The U.S. Census Bureau's American Community Survey is subject to sampling error, and hence estimates can fluctuate year-to-year, but the overall pattern since 2000 is one of improvement. Since the 2000 census, there has been slow, but fairly steady, improvement in the attainment rates for Jefferson County and Louisville metro area adults. The change in the college attainment rate appears to have accelerated over the past two years.
- ❖ Of course, the competition is not standing still. According to the Census Bureau, high school and college attainment rates for most of the 15 comparison metropolitan areas have risen at least as much as in the Louisville area. The rankings over the last two years may indicate that Louisville is finally making a sustained move up the rankings as all the attainment rates (high school and college, county and Metropolitan Statistical Area, or MSA) have improved. The Jefferson County high school attainment rate has shown the most improvement, moving up four spots to 6th among the peer group's central counties (the one county in each metro area with the largest population and which includes the urban core). In addition, the Louisville MSA has finally moved out of the bottom spot for college attainment rate (passing Memphis and Dayton).

- ❖ The educational attainment rate data is foreshadowed in the public school graduation rates. Graduation data are available through the 2006-07 school year. After two years of improvement, the latest data show a drop in school completions for both Jefferson County and the Louisville MSA, but they remain above the levels of a few years ago. Consequently, Louisville's rankings dropped a couple spots, back to 2005 levels at the middle of the pack.
- ❖ The overall performance of the Louisville MSA is pulled down by the counties surrounding Jefferson County, whose high school and, especially, college attainment rates are significantly less than the MSA's central county.
- ❖ While more people have been completing high school, the percentage of adults over 25 who have just a high school education has remained fairly constant over the years, though it has dropped a bit the last two years. The Louisville MSA now has the highest percentage of adults who only have a high school degree among its peer metros.
- ❖ When we look at the educational attainment of the youngest 10-year age cohorts, those between the ages of 25-34 and 35-44, the news is uniformly positive, especially for the latter cohort. The percentages of 25-34 year olds and 35-44 year olds who have a high school diploma or equivalent, who have attended at least some college and who have earned a bachelor's degree are at all-time highs. Some of this improvement may be due to sampling error fluctuations, but since the historic highs have held steady for the last two years, it is likely they reflect a real trend. The rankings remained roughly the same from 2008 to 2009. The best change in the rankings was for the older cohort in terms of the percentage of people who had attended some college or had an associate's degree (but not a bachelor's degree). The Louisville MSA now ranks 2nd among the comparison metros. This indicates that more people in this cohort are going back to school and that the percentage of 35-44 year olds who only have a high school degree has fallen by 3 percent to 4 percent over the last several years.
- ❖ Three percent fewer people completed a GED in 2009 than had in 2008, but this was actually better than the 4.2 percent decrease that occurred in the rest of the comparison metros. With some yearly fluctuations, Louisville appears to have settled into a given level of annual GED completions. Because of the marked decrease in GED completions among the peer metros, on a per capita basis, the Louisville MSA rank rebounded significantly from 10th all the way to 6th place.
- ❖ Postsecondary institutions in the Louisville metro area saw their second consecutive year of significant increases in enrollment in 2009. This past year, the increase was over 6 percent and was concentrated in full-time students (a nearly 15 percent increase versus a drop of about 5 percent for part-time students), and institutions granting at least a bachelor's degree (a more than 8 percent increase versus 2 percent for institutions granting at most an associate's degree). Most of the increase in enrollment occurred at Sullivan University, Ivy Tech Community College, Spalding University, IU-Southeast and two private career colleges, Galen College of Nursing and Brown Mackie College. Those six colleges account for 95 percent of the 2009 enrollment increase.
- ❖ The enrollment figures seem to reflect the effects of the economic recession. But while the Louisville MSA did have a significant increase in enrollment, it was actually among the smallest increases, both in raw numbers and as a percentage, of the 15 comparison metros. As a result, Louisville's rankings for enrollment per capita either remained constant or fell back to where they were several years ago.

- ❖ Louisville area institutions awarded about 80 fewer degrees in 2009 than in 2008, but the level did stay near a historic high. The entire drop came at the lowest level of degrees, those below the associate level, which experienced a drop of 600 awards (16 percent). Otherwise, the Louisville MSA saw a 5 percent increase in degrees awarded (8 percent at the undergraduate level).
- ❖ The fall in awards below the associate level was due almost entirely to Jefferson Community and Technical College (JCTC) where there was a decrease of 427 awards that required a year or less of study. JCTC students received this level of award in 41 different fields in either 2008 or 2009, but just nine of the fields accounted for all of the total decrease (560 fewer awards in just these nine fields). These fields were child care provider, carpentry, electrician, welding, automotive and small engine mechanic/technician, aircraft power-plant technician, executive assistant and real estate. This seems to be a reaction to the circumstances of the recent economic recession. Even with the drop in degrees awarded at this level, Louisville still ranks 6th on a per capita basis among the peer metros.
- ❖ For the second straight year, there was a 9 percent increase in associate's degrees awarded, most of it attributable to Jefferson Community and Technical College, Spencerian College, Sullivan University and ATA College. The number of bachelor's degrees awarded jumped 8 percent, which may reflect increased efforts to help students complete their degrees since enrollment at institutions awarding at least a bachelor's degree was fairly level from 2003 to 2007. Two institutions accounted for all of the increase in bachelor's degrees, Sullivan University and University of Louisville. The drop in First Professional degrees was largely due to the awarding of fewer master of divinity degrees at the Southern Baptist Theological Seminary.
- ❖ Despite another year of award increases, Louisville's overall rank for awards, degrees and certificates per capita remained at 9th place among peer metros. Louisville has been narrowing the gap with the 15 metro areas in the rankings in all of the degree categories. The Louisville MSA has seen the 5th best increase in total degrees awarded per capita since 2000 among the comparison group of metros, ranking at least 7th best in each of the individual degree categories. In addition, Louisville is the only one of the 16 peer metro areas that moved up since 2000 in the degrees awarded per capita rankings in every category of award, from below-associate certificates and diplomas to graduate and First Professional programs.

The *KentuckianaWorks Human Capital Scorecard* is produced for KentuckianaWorks by economic and demographic researchers at the University of Louisville. The *Scorecard* may be viewed online at <http://www.kentuckianaworks.org> or <http://monitor.louisville.edu>. Contact Professor Paul Coomes by e-mail for more information at paul.coomes@louisville.edu.

KentuckianaWorks is Greater Louisville's workforce investment board and serves Bullitt, Henry, Jefferson, Oldham, Shelby, Spencer and Trimble counties. KentuckianaWorks oversees the region's system of One-Stop Career Centers, where job seekers can find jobs and education and training opportunities and apply for unemployment insurance. One-Stop Career Centers also help employers meet their workforce needs by linking them with qualified employees. For more information, call (502) 574-2500 or click on www.kentuckianaworks.org.



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Louisville Area Human Capital

Educational Attainment ♦		Geography	1990	2000	2004	2005	2006	2007	2008	2009	
Attainment	% Adults with high school diploma or higher	Louisville MSA	72.9%	80.9%		84.8%	84.6%	85.5%	87.0%	86.8%	
	% Adults with bachelor's degree or higher	Louisville MSA	16.6%	21.2%		23.3%	23.2%	23.6%	24.0%	24.9%	
	% Adults with high school diploma or higher	Jefferson County	74.1%	81.8%	83.3%	85.3%	85.8%	86.6%	88.0%	88.1%	
	% Adults with bachelor's degree or higher	Jefferson County	19.3%	24.8%	26.1%	27.3%	27.6%	27.8%	28.4%	29.6%	
	Components ■			1990	2000	2004	2005	2006	2007	2008	2009
	% Adults with high school only	Louisville MSA	33.0%	32.3%		32.8%	33.0%	34.0%	33.6%	32.5%	
	% Adults some college only	Louisville MSA	18.2%	21.6%		21.8%	21.6%	20.8%	22.3%	22.4%	
	% Adults with associate degree only	Louisville MSA	5.1%	5.8%		7.0%	6.8%	7.0%	7.1%	7.1%	
	% Adults with bachelors degree only	Louisville MSA	10.1%	13.1%		14.2%	14.1%	14.6%	14.5%	15.3%	
	% Adults with graduate or professional degree	Louisville MSA	6.4%	8.1%		9.1%	9.1%	9.0%	9.5%	9.6%	
	% Adults with high school only	Jefferson County	30.3%	29.1%	29.3%	28.7%	30.0%	30.6%	30.7%	28.9%	
	% Adults some college only	Jefferson County	19.3%	22.4%	21.6%	22.5%	22.0%	21.6%	22.6%	22.5%	
	% Adults with associate degree only	Jefferson County	5.2%	5.6%	6.3%	6.8%	6.3%	6.6%	6.4%	7.0%	
	% Adults with bachelors degree only	Jefferson County	11.8%	15.2%	14.4%	16.3%	16.4%	16.9%	16.6%	18.4%	
	% Adults with graduate or professional degree	Jefferson County	7.5%	9.6%	11.7%	11.0%	11.2%	10.9%	11.7%	11.3%	
	Younger Age Cohorts			1990	2000	2004	2005	2006	2007	2008	2009
	% Adults 25-34 yrs old with high school diploma or higher	Louisville MSA	84.3%	87.5%		90.1%	88.4%	88.6%	90.3%	89.8%	
	% Adults 25-34 yrs old with some college or associate degree	Louisville MSA	30.5%	33.3%		35.0%	34.6%	32.6%	33.0%	33.0%	
% Adults 25-34 yrs old with bachelors degree or higher	Louisville MSA	18.8%	25.6%		28.0%	25.5%	26.3%	30.0%	30.5%		
% Adults 35-44 yrs old with high school diploma or higher	Louisville MSA	86.0%	87.4%		88.6%	88.9%	89.7%	91.4%	91.4%		
% Adults 35-44 yrs old with some college or associate degree	Louisville MSA	29.4%	31.6%		31.6%	32.1%	31.1%	32.8%	34.8%		
% Adults 35-44 yrs old with bachelors degree or higher	Louisville MSA	22.1%	22.1%		26.4%	26.0%	25.7%	27.4%	29.0%		
K-12 Activity, Performance			1990	2000	2004	2005	2006	2007	2008	2009	
Performance	Eighth Grade(t-4) Enrollment Based Graduation Rate ♣	Louisville MSA		75.5%	75.2%	80.1%	82.5%	79.0%			
	Eighth Grade(t-4) Enrollment Based Graduation Rate	Jefferson County		72.8%	70.3%	77.5%	81.3%	75.4%			
	GED Completions (calendar year) ▲	Louisville MSA			2,057	1,985	1,862	2,063	1,963	1,904	
	Postsecondary degrees, academic year ending Spring ▼			1990	2000	2004	2005	2006	2007	2008	2009
	All postsecondary awards, degrees, certificates	Louisville MSA	7,391	8,168	10,478	11,179	12,516	12,754	13,771	13,688	
	Awards/certificates below associate level	Louisville MSA	1,347	1,149	2,041	2,301	3,069	3,045	3,679	3,076	
	Associate degrees	Louisville MSA	1,667	1,815	2,133	2,191	2,458	2,517	2,736	2,982	
	Bachelor's degrees	Louisville MSA	2,462	2,960	3,501	3,906	4,054	4,231	4,185	4,519	
	Graduate degrees	Louisville MSA	1,360	1,662	2,283	2,229	2,400	2,391	2,509	2,518	
	1st professional degree	Louisville MSA	555	478	520	552	535	570	662	593	
	Postsecondary enrollments, academic year beginning Fall ▼			1990	2000	2004	2005	2006	2007	2008	2009
	Total postsecondary enrollments	Louisville MSA	50,641	51,462	60,753	60,998	61,348	62,472	65,352	69,445	
	Full-time	Louisville MSA	25,204	27,614	35,233	34,438	34,488	36,188	36,983	42,432	
	Part-time	Louisville MSA	25,437	23,848	25,520	26,560	26,860	26,284	28,369	27,013	
	Associate degree granting institutions only	Louisville MSA	14,470	14,836	20,188	19,629	20,709	21,114	23,291	23,785	
Undergraduate level, including associate degree granting	Louisville MSA	42,490	42,357	50,057	49,970	50,428	51,583	54,216	58,187		
Graduate level	Louisville MSA	5,683	6,755	7,856	8,120	8,029	7,884	7,914	8,030		
1st professional level	Louisville MSA	2,468	2,350	2,840	2,908	2,891	3,005	3,222	3,228		



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RANKINGS (out of 16 comparison metro areas)

Educational Attainment ♦		Geography	1990	2000	2004	2005	2006	2007	2008	2009	
Attainment	% Adults with high school diploma or higher	Louisville MSA	12	12		12	12	11	10	10	
	% Adults with bachelor's degree or higher	Louisville MSA	16	16		16	16	16	16	14	
	% Adults with high school diploma or higher *	Jefferson County	15	11	15	12	10	10	7	6	
	% Adults with bachelor's degree or higher *	Jefferson County	15	12	13	12	11	11	10	10	
	Components ■			1990	2000	2004	2005	2006	2007	2008	2009
	% Adults with high school only	Louisville MSA	2	1		2	3	1	1	1	1
	% Adults some college only	Louisville MSA	14	7		6	6	7	7	6	6
	% Adults with associate degree only	Louisville MSA	13	11		6	9	7	10	6	6
	% Adults with bachelors degree only	Louisville MSA	16	16		16	16	16	16	15	15
	% Adults with graduate or professional degree	Louisville MSA	11	11		12	11	13	12	12	12
	% Adults with high school only	Jefferson County	5	5	5	8	5	5	1	2	2
	% Adults some college only	Jefferson County	13	8	8	5	6	6	7	8	8
	% Adults with associate degree only	Jefferson County	13	10	10	7	13	9	13	5	5
	% Adults with bachelors degree only	Jefferson County	16	14	15	15	15	14	13	11	11
	% Adults with graduate or professional degree	Jefferson County	9	8	6	9	8	11	9	9	9
	Younger Age Cohorts			1990	2000	2004	2005	2006	2007	2008	2009
% Adults 25-34 yrs old with high school diploma or higher	Louisville MSA	10	10		5	9	10	7	6	6	
% Adults 25-34 yrs old with some college or associate degree	Louisville MSA	9	4		2	1	5	5	5	5	
% Adults 25-34 yrs old with bachelors degree or higher	Louisville MSA	15	13		12	13	14	11	12	12	
% Adults 35-44 yrs old with high school diploma or higher	Louisville MSA	9	9		13	10	8	4	5	5	
% Adults 35-44 yrs old with some college or associate degree	Louisville MSA	9	7		4	3	3	4	2	2	
% Adults 35-44 yrs old with bachelors degree or higher	Louisville MSA	16	16		14	15	16	14	14	14	
K-12 Activity, Performance			1990	2000	2004	2005	2006	2007	2008	2009	
Performance	Eighth Grade(t-4) Enrollment Based Graduation Rate ♣	Louisville MSA		6	10	7	5	7			
	Eighth Grade(t-4) Enrollment Based Graduation Rate	Jefferson County		5	12	8	5	8			
	GED Completions per 100,000 population 18+ years ▲	Louisville MSA			4	4	4	4	10	6	
	Postsecondary degrees per capita, academic year ending Spring ▼			1990	2000	2004	2005	2006	2007	2008	2009
	All postsecondary awards, degrees, certificates	Louisville MSA	11	13	11	11	9	9	9	9	9
	Awards/certificates below associate level	Louisville MSA	7	10	6	7	3	3	4	6	6
	Associate degrees	Louisville MSA	7	8	6	7	7	7	5	5	5
	Bachelor's degrees	Louisville MSA	15	15	14	12	12	11	12	12	12
	Graduate degrees	Louisville MSA	8	11	9	8	8	8	8	8	9
	1st professional degree	Louisville MSA	5	8	8	7	7	7	6	7	7
Postsecondary enrollments per capita, academic year beginning Fall ▼			1990	2000	2004	2005	2006	2007	2008	2009	
Total postsecondary enrollments	Louisville MSA	8	11	9	11	11	9	9	9	9	
Full-time	Louisville MSA	12	12	10	12	12	10	11	11	11	
Part-time	Louisville MSA	6	8	7	5	6	6	6	6	8	
Associate degree granting institutions only	Louisville MSA	8	11	11	11	11	11	11	11	12	
Undergraduate level, including associate degree granting	Louisville MSA	9	11	11	11	11	11	9	11	11	
Graduate level	Louisville MSA	9	10	10	10	10	10	10	10	10	
1st professional level	Louisville MSA	4	6	4	4	4	4	3	3	3	



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Louisville Area Human Capital

References and notes

Notes

Available on-line with the latest data, www.kentuckianaworks.org

♣ Educational Attainment rates apply to population aged 25 and older. Source for education attainment in 1990 and 2000: U.S. Bureau of the Census, Summary File 4, 1990 & Summary File 3, 2000. Source for years 2001 through 2009 American Community Survey, with confidence intervals (precision of estimates) varying by year and place. Because information was not available for all MSAs for the years 2001 through 2004, comparisons were made among central counties. For the decennial census and 2005-07, the central county of the Richmond MSA is considered to include both the City of Richmond and adjacent Henrico County. However, the 2001-2004 American Community Surveys (ACS) did not include the city of Richmond VA within detailed Virginia city and county breakdowns; therefore Richmond is not included in the central county rankings for years 2001-2004. Calculations of educational attainment in the ACS did not include the group quarters population until 2006. Because many types of GQ populations have educational attainment distributions that are very different from the household population comparison of the 2006 data with previous years should be done with caution.

■ These figures reflect only those within the field described and not any higher level of education.

♣ Source: Eighth Grade(t-4) Graduation Rate is calculated from enrollment and diploma data in the Common Core of Data collected by the National Center for Education Statistics. The rate is constructed by taking the number of diploma recipients for a given school year divided by the fall enrollment for grade 8 from four years prior. Thus the graduation rate for 2006 is number of diploma recipients for 2005-06 divided by the number of eighth graders in the fall of 2001-02. This figure has been shown to be very close to and track well over time with Decennial Census data calculations of the percentage of adults who have received regular high school diplomas. See Heckman, James J. and Paul A. LaFontaine, "The American High School Graduation Rate: Trends and Levels," IZA Discussion Paper No. 3216, Bonn, Germany, December 2007.

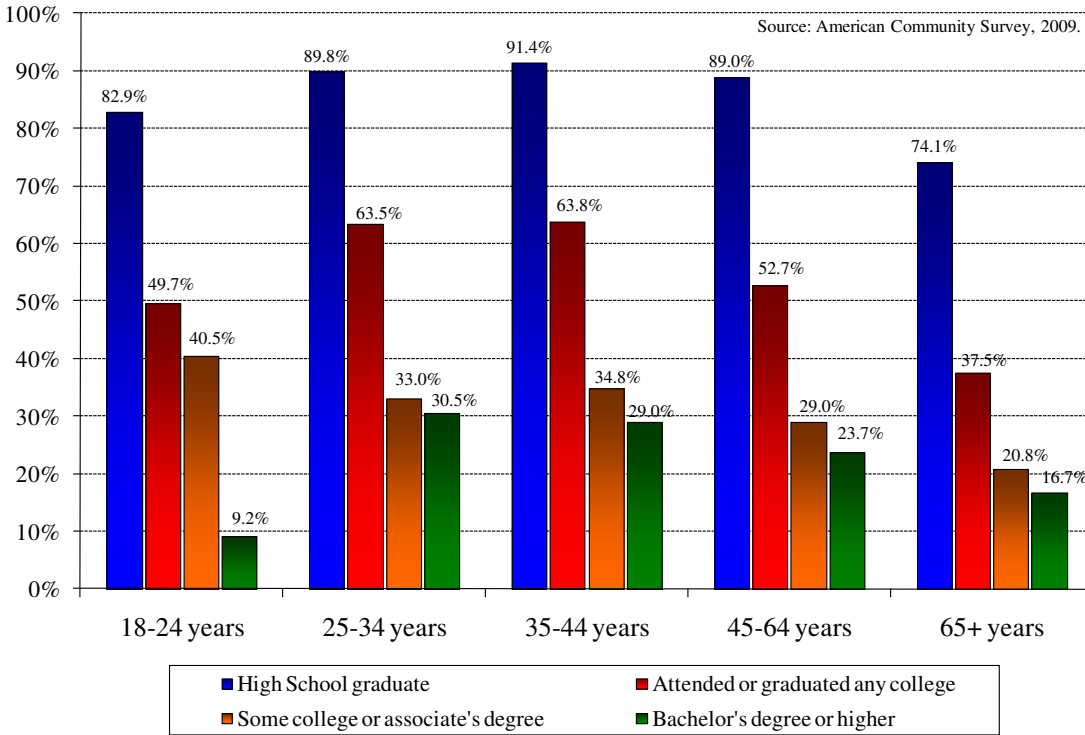
▲ GED figures at the zip code level were obtained from the American Council on Education (ACE), and have been aggregated to the metro level.

▼ Breakdown of postsecondary awards, degrees, enrollments by type and level. Source: IPEDS, AY 1989-90, 2000-01, 2001-02, 2002-03, 2003-04, 2004-05, 2005-06, 2006-7, 2007-08, 2008-09, 2009-10; includes all ages.

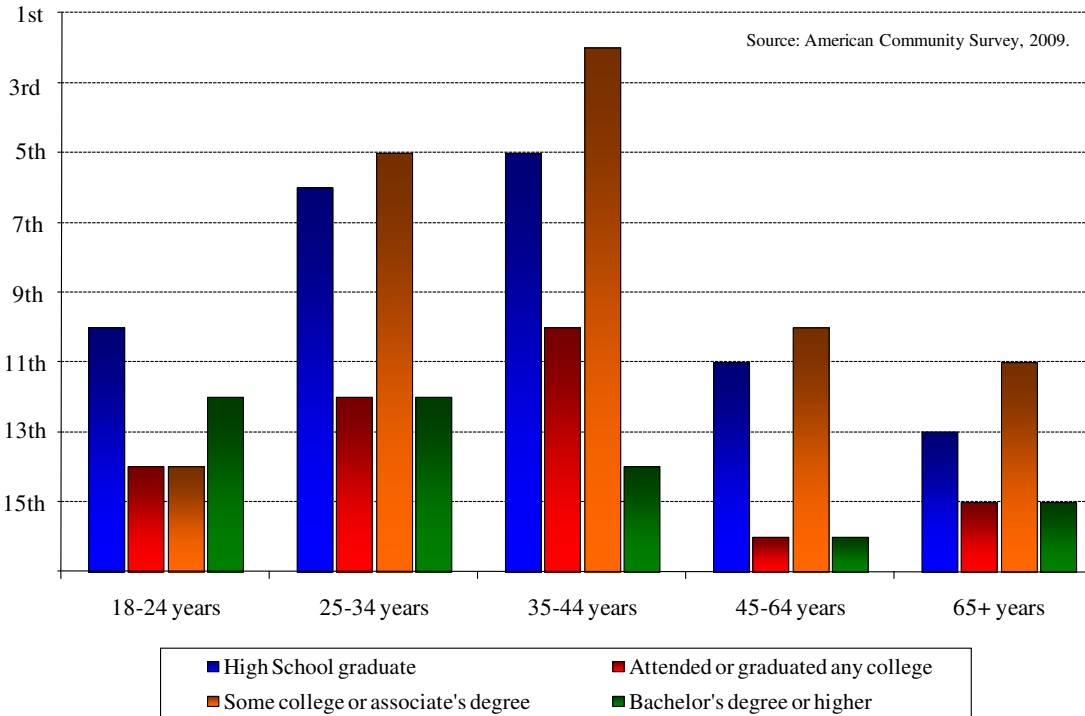


Research and compilation by University of Louisville

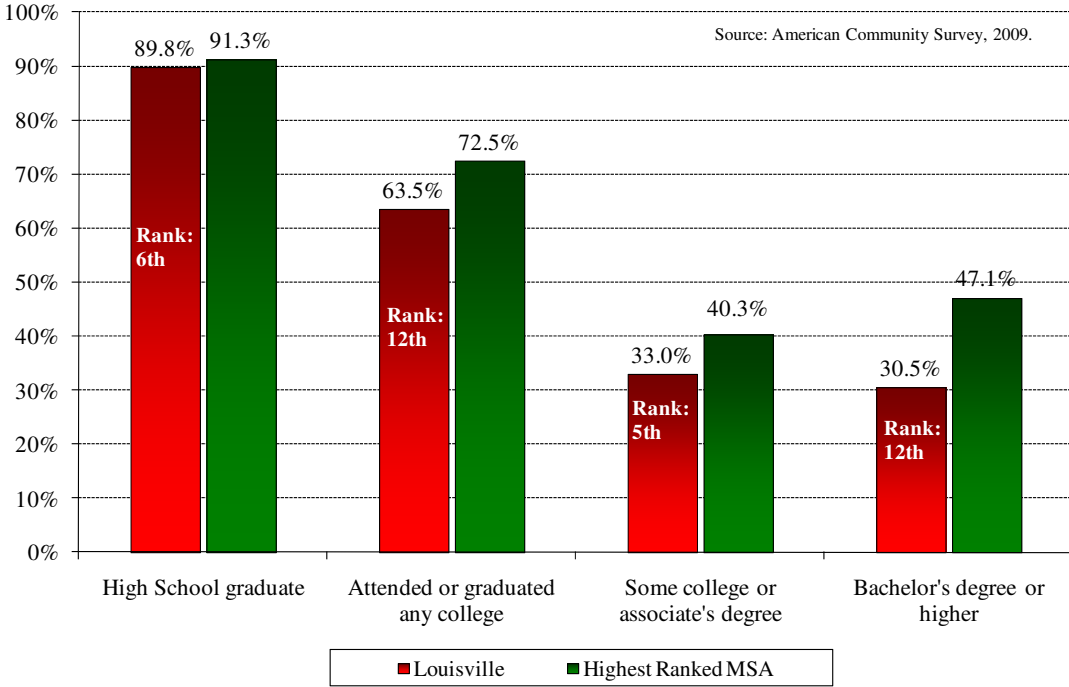
Educational Attainment in the Louisville MSA by Age, 2009



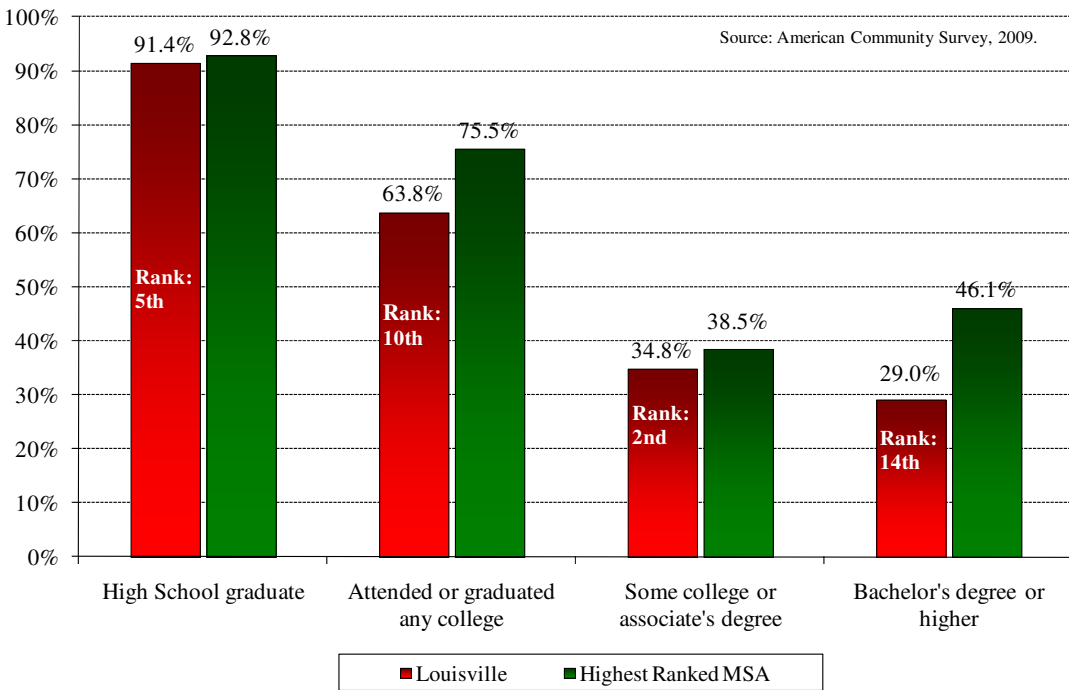
Educational Attainment, 2009 Louisville MSA Rank Among 16 Peer Metros



Educational Attainment, 2009
Louisville MSA vs Highest Ranked MSA, 25-34 years



Educational Attainment, 2009
Louisville MSA vs Highest Ranked Peer, 35-44 years

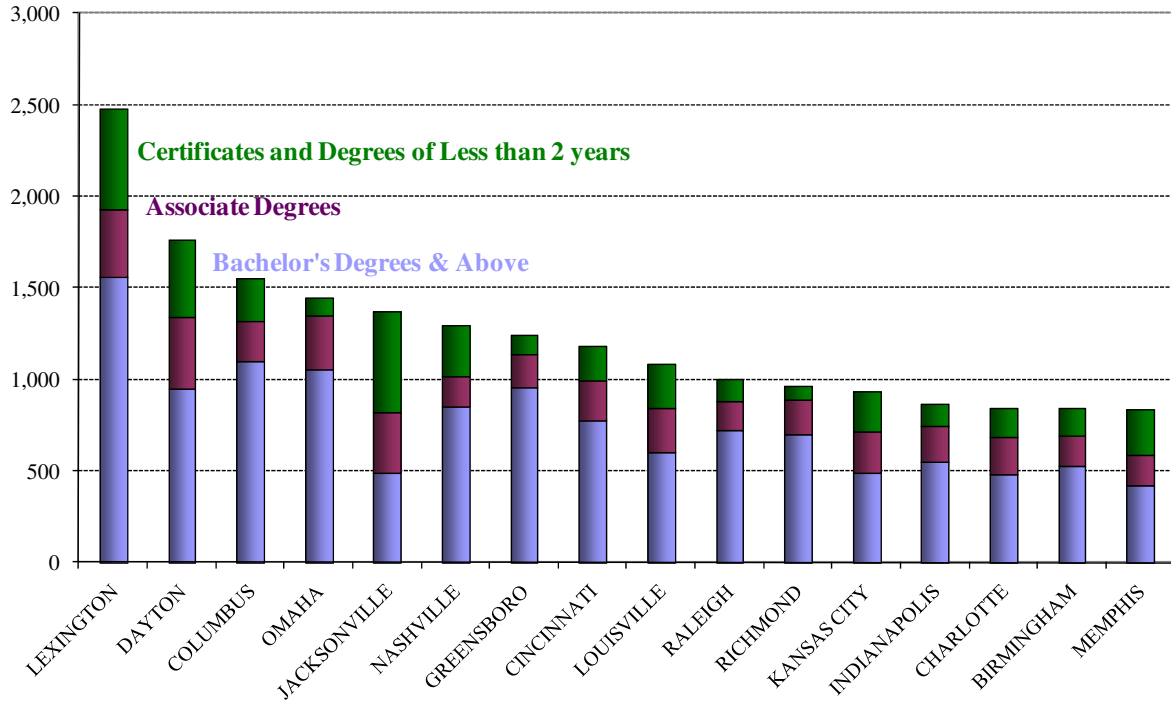


Enrollments and Awards, Louisville MSA Postsecondary Institutions											
Postsecondary Enrollments, Fall Semester	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
Ivy Tech Community College-South Central	1,933	2,035	2,716	2,917	3,050	2,995	3,319	3,181	3,826	4,548	
Indiana University-Southeast	6,427	6,557	6,716	6,408	6,238	6,164	6,183	6,241	6,482	6,840	
Mid-America College of Funeral Service	36	51	51	61	107	76	35	35	44	64	
Bellarmino University	2,848	2,982	3,294	3,134	2,888	2,827	2,878	3,011	3,001	3,095	
Galen College of Nursing-Louisville	48	34	44	45	47	111	147	145	753	1,288	
Jefferson Community College/Jefferson Community & Technology College	9,520	9,227	9,390	9,645	10,106	14,231	14,707	15,300	15,560	15,500	
Jefferson Technical College	1,512	3,246	3,582	3,697	3,694	0	0	0	0	0	
National College of Business and Tech-Lexington	0	1,220	0	0	0	0	0	0	0	0	
Louisville Bible College	130	0	0	0	0	172	0	113	103	98	
Louisville Technical Institute/Sullivan College of Technology and Design	612	623	624	670	645	580	557	654	581	635	
University of Louisville	19,771	19,682	20,416	20,605	20,729	20,726	20,785	20,809	20,726	20,751	
Louisville Presbyterian Theological Seminary	250	235	227	193	184	204	217	204	206	212	
RETS Electronic Institute/Brown Mackie College-Louisville	365	411	327	350	68	92	335	679	1,036	1,850	
The Southern Baptist Theological Seminary	2,320	2,443	2,716	2,904	2,983	3,263	3,108	3,114	3,506	3,097	
Spalding University	1,632	1,670	1,702	1,658	1,698	1,641	1,697	1,651	1,667	1,994	
Spencerian College	201	584	928	1,326	1,254	1,327	1,180	1,250	1,250	1,352	
Sullivan University	3,212	4,402	4,646	4,962	4,860	5,212	4,599	4,538	4,708	5,857	
Computer Education Services Inc./Decker College Of Business Technology	90	86	109	368	949	0	0	0	0	0	
Charles A. Prosser School of Technology	104	12	10	2	686	0	0	0	0	0	
Kentucky Career Institute/Daymar College-Louisville	97	86	113	227	296	293	240	319	521	640	
ITT Technical Institute	354	358	402	495	0	714	750	742	851	861	
Ottawa University-Jeffersonville	0	0	0	48	76	74	71	97	108	127	
Decker College-Louisville	0	0	0	0	79	0	0	0	0	145	
University of Phoenix-Louisville Campus	0	0	0	0	116	296	316	149	77	0	
ATA Career Education/ATA College	0	0	0	0	0	0	224	240	345	457	
DeVry University-Kentucky	0	0	0	0	0	0	0	0	1	34	
Total, Louisville Metropolitan Area	51,462	55,944	58,013	59,715	60,753	60,998	61,348	62,472	65,352	69,445	
Awards below Associate level, Academic Year ending Spring	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
Ivy Tech Community College-South Central	76	67	61	70	110	101	120	123	180	141	
Indiana University-Southeast	5	10	5	16	41	61	83	65	58	47	
Galen College of Nursing-Louisville	66	58	83	87	90	107	132	192	262	301	
Jefferson Community College/Jefferson Community & Technology College	0	2	23	41	90	120	1,861	1,763	2,322	1,884	
Jefferson Technical College	164	251	268	545	661	1,130	0	0	0	0	
National College of Business and Tech-Lexington	0	161	0	0	0	0	0	0	0	0	
Louisville Bible College	6	1	1	0	5	11	6	2	3	4	
Louisville Technical Institute/Sullivan College of Technology and Design	134	109	122	114	130	127	99	92	70	74	
University of Louisville	117	117	118	117	112	109	68	38	31	31	
RETS Electronic Institute/Brown Mackie College-Louisville	7	16	36	9	5	2	3	1	0	0	
Spalding University	0	0	0	0	0	0	4	16	0	0	
Spencerian College	181	215	211	335	403	340	391	384	362	342	
Sullivan University	227	228	182	99	117	134	145	128	134	63	
Computer Education Services Inc./Decker College Of Business Technology	68	43	72	61	199	0	0	0	0	0	
Charles A. Prosser School of Technology	97	7	4	0	0	0	0	0	0	0	
Kentucky Career Institute/Daymar College-Louisville	1	4	3	9	15	59	28	16	14	12	
Decker College-Louisville	0	0	0	0	63	0	0	0	0	0	
ATA Career Education/ATA College	0	0	0	0	0	0	129	225	243	177	
Total, Louisville Metropolitan Area	1,149	1,289	1,189	1,503	2,041	2,301	3,069	3,045	3,679	3,076	
Associate Degrees, Academic Year ending Spring	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
Ivy Tech Community College-South Central	164	143	176	188	211	200	323	330	359	383	
Indiana University-Southeast	120	130	125	140	145	116	113	125	98	102	
Mid-America College of Funeral Service	67	51	55	45	63	58	59	37	33	35	
Galen College of Nursing-Louisville	0	0	0	0	0	0	0	129	178	160	
Jefferson Community College/Jefferson Community & Technology College	509	424	401	432	579	612	847	854	869	933	
Jefferson Technical College	65	36	16	38	52	79	0	0	0	0	
National College of Business and Tech-Lexington	0	228	0	0	0	0	0	0	0	0	
Louisville Bible College	12	5	3	6	5	5	13	10	2	0	
Louisville Technical Institute/Sullivan College of Technology and Design	191	168	169	210	183	170	201	171	158	171	
University of Louisville	80	63	70	38	45	48	51	22	19	20	
RETS Electronic Institute/Brown Mackie College-Louisville	129	122	99	109	120	89	90	93	91	117	
The Southern Baptist Theological Seminary	15	14	15	4	10	7	8	10	12	9	
Spalding University	4	6	7	12	5	29	7	9	6	4	
Spencerian College	30	19	6	72	189	194	157	115	128	184	
Sullivan University	270	299	590	412	379	395	413	419	569	623	
Decker College Of Business Technology	0	0	0	10	5	0	0	0	0	0	
Kentucky Career Institute/Daymar College-Louisville	44	26	28	14	22	48	62	56	72	50	
ITT Technical Institute	115	119	129	102	120	141	114	137	139	150	
ATA Career Education/ATA College	0	0	0	0	0	0	0	0	3	41	
Total, Louisville Metropolitan Area	1,815	1,853	1,889	1,832	2,133	2,191	2,458	2,517	2,736	2,982	

Enrollments and Awards, Louisville MSA Postsecondary Institutions (continued)										
Bachelors Degrees, Academic Year ending Spring	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Indiana University-Southeast	444	500	523	603	610	614	603	668	664	649
Mid-America College of Funeral Service	0	0	0	0	0	0	0	0	0	3
Bellarmino University	348	334	343	404	351	419	407	432	469	429
Louisville Bible College	5	4	4	4	6	8	11	10	19	12
Louisville Technical Institute/Sullivan College of Technology and Design	0	0	0	0	0	0	0	0	5	21
University of Louisville	1,761	1,831	1,883	1,856	1,915	2,164	2,331	2,433	2,407	2,582
Louisville Presbyterian Theological Seminary	3	1	0	0	0	28	7	9	12	0
The Southern Baptist Theological Seminary	15	26	18	71	71	51	74	97	96	83
Spalding University	196	225	236	180	221	227	210	185	182	172
Sullivan University	188	192	313	209	323	363	369	346	272	452
ITT Technical Institute	0	0	0	0	0	8	5	20	19	38
Ottawa University-Jeffersonville	0	0	0	0	4	24	35	20	19	36
University of Phoenix-Louisville Campus	0	0	0	0	0	0	2	11	21	42
Total, Louisville Metropolitan Area	2,960	3,113	3,320	3,327	3,501	3,906	4,054	4,231	4,185	4,519
Masters Degrees, Academic Year ending Spring	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Indiana University-Southeast	159	157	218	196	264	199	238	197	235	223
Bellarmino University	198	177	252	205	227	189	183	205	234	217
Louisville Bible College	1	6	1	5	9	5	4	5	3	2
University of Louisville	997	1,133	1,139	1,061	1,173	1,245	1,255	1,280	1,261	1,281
Louisville Presbyterian Theological Seminary	14	12	10	15	12	10	16	10	14	33
The Southern Baptist Theological Seminary	55	44	53	63	59	76	122	103	119	108
Spalding University	78	98	107	159	220	143	208	214	210	205
Sullivan University	23	23	28	60	96	93	83	86	95	133
University of Phoenix-Louisville Campus	0	0	0	0	0	0	7	20	24	10
Total, Louisville Metropolitan Area	1,525	1,650	1,808	1,764	2,060	1,960	2,116	2,120	2,195	2,212
Doctoral Degrees, Academic Year ending Spring	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Bellarmino University	0	0	0	0	0	38	27	28	36	41
University of Louisville	76	65	90	89	106	112	144	135	151	142
Louisville Presbyterian Theological Seminary	9	7	4	13	6	5	3	6	3	0
The Southern Baptist Theological Seminary	29	64	57	86	75	82	61	44	84	92
Spalding University	23	34	27	49	36	32	49	58	40	31
Total, Louisville Metropolitan Area	137	170	178	237	223	231	284	271	314	306
First Professional Degrees, Academic Year ending Spring	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
University of Louisville	310	315	321	323	330	333	327	346	343	332
Louisville Presbyterian Theological Seminary	37	27	30	36	26	30	28	22	32	10
The Southern Baptist Theological Seminary	131	137	146	185	164	189	180	202	287	251
Total, Louisville Metropolitan Area	478	479	497	544	520	552	535	570	662	593

Note: Jefferson Community College and Jefferson Technical College merged to form Jefferson Community and Technical College in 2005.

**Degrees Awarded per 100,000 Residents
Louisville and 15 Comparison MSAs, 2008-09 Academic Year**



Postsecondary Degrees Awarded per 100,000 Residents, 2009								
with Trends Among Louisville and its 15 Competitor Metropolitan Areas								
	Below Associate Level (less than 2 years), 2009	Rank	Relative change since 2000			Associate Level (2 years to less than 4 years), 2009	Rank	Relative change since 2000
Lexington	554.5	1	↑		Dayton	394.6	1	↑
Jacksonville	548.2	2	↑		Lexington	366.6	2	↔
Dayton	420.0	3	↑		Jacksonville	331.4	3	↓
Nashville	276.6	4	↑		Omaha	296.8	4	↔
Memphis	246.4	5	↑		Louisville	236.9	5	↑
Louisville	244.4	6	↑		Kansas City	228.8	6	↓
Columbus	232.6	7	↑		Columbus	216.7	7	↑
Kansas City	215.6	8	↓		Cincinnati	214.1	8	↓
Cincinnati	190.0	9	↓		Charlotte	207.7	9	↑
Charlotte	156.9	10	↑		Indianapolis	197.3	10	↑
Birmingham	146.8	11	↓		Richmond	183.7	11	↓
Raleigh	123.5	12	↓		Greensboro	175.3	12	↑
Indianapolis	118.0	13	↑		Birmingham	171.3	13	↓
Greensboro	108.7	14	↑		Nashville	165.0	14	↓
Omaha	100.5	15	↓		Memphis	164.0	15	↓
Richmond	75.8	16	↓		Raleigh	152.2	16	↓
	Bachelor's Degree (includes postbac), 2009	Rank	Relative change since 2000			Graduate, 2009	Rank	Relative change since 2000
Lexington	1011.6	1	↔		Lexington	434.7	1	↔
Columbus	785.1	2	↑		Dayton	318.8	2	↔
Greensboro	726.0	3	↓		Omaha	278.3	3	↔
Omaha	673.0	4	↑		Nashville	260.9	4	↑
Dayton	594.3	5	↑		Columbus	257.3	5	↔
Nashville	563.2	6	↑		Greensboro	233.4	6	↑
Cincinnati	532.9	7	↑		Cincinnati	219.5	7	↑
Raleigh	516.6	8	↓		Raleigh	203.6	8	↓
Richmond	471.8	9	↔		Louisville	200.1	9	↑
Charlotte	366.2	10	↔		Richmond	175.3	10	↓
Jacksonville	360.0	11	↑		Indianapolis	163.3	11	↑
Louisville	359.1	12	↑		Birmingham	152.8	12	↓
Indianapolis	337.2	13	↔		Kansas City	122.0	13	↓
Kansas City	327.6	14	↓		Charlotte	107.7	14	↔
Birmingham	321.6	15	↓		Memphis	103.4	15	↓
Memphis	298.6	16	↓		Jacksonville	101.8	16	↔
	First Professional, 2009	Rank	Relative change since 2000			Total Degrees, 2009	Rank	Relative change since 2000
Lexington	116.2	1	↔		Lexington	2483.6	1	↔
Omaha	102.2	2	↔		Dayton	1762.7	2	↑
Columbus	59.9	3	↑		Columbus	1551.6	3	↑
Richmond	55.3	4	↓		Omaha	1450.7	4	↔
Birmingham	49.8	5	↑		Jacksonville	1372.2	5	↑
Indianapolis	48.4	6	↑		Nashville	1296.6	6	↑
Louisville	47.1	7	↑		Greensboro	1243.3	7	↔
Kansas City	38.1	8	↓		Cincinnati	1181.2	8	↔
Dayton	35.1	9	↑		Louisville	1087.6	9	↑
Jacksonville	30.9	10	↑		Raleigh	1002.4	10	↓
Nashville	30.8	11	↓		Richmond	961.8	11	↔
Cincinnati	24.7	12	↑		Kansas City	932.1	12	↓
Memphis	22.2	13	↓		Indianapolis	864.3	13	↑
Charlotte	6.6	14	↑		Charlotte	845.1	14	↑
Raleigh	6.5	15	↓		Birmingham	842.2	15	↓
Greensboro	0.0	16	↔		Memphis	834.5	16	↓

Source: Integrated Postsecondary Education Data System (IPEDS), 2000-01, 2009-10.

Postsecondary Enrollment per 100,000 Residents, 2009								
with Trends Among Louisville and its 15 Competitor Metropolitan Areas								
	Associate Level Only, 2009	Rank	Relative change since 2000			All Undergraduates, 2009	Rank	Relative change since 2000
Dayton	3,515	1	↔		Lexington	8,901	1	↔
Lexington	2,866	2	↔		Greensboro	7,564	2	↑
Omaha	2,812	3	↑		Dayton	7,282	3	↓
Greensboro	2,726	4	↑		Columbus	6,367	4	↑
Jacksonville	2,708	5	↔		Omaha	6,117	5	↑
Kansas City	2,584	6	↓		Nashville	5,048	6	↓
Columbus	2,353	7	↑		Richmond	4,997	7	↑
Memphis	2,152	8	↔		Raleigh	4,939	8	↓
Richmond	2,088	9	↓		Cincinnati	4,704	9	↑
Raleigh	2,054	10	↓		Kansas City	4,634	10	↓
Charlotte	2,009	11	↑		Louisville	4,623	11	↔
Louisville	1,890	12	↓		Jacksonville	4,504	12	↑
Nashville	1,803	13	↓		Charlotte	4,227	13	↑
Birmingham	1,541	14	↔		Memphis	4,211	14	↓
Indianapolis	1,458	15	↑		Birmingham	4,157	15	↓
Cincinnati	1,275	16	↓		Indianapolis	4,068	16	↔
	Graduate Students, 2009	Rank	Relative change since 2000			1st Professional, 2009	Rank	Relative change since 2000
Lexington	1,487	1	↔		Lexington	522	1	↔
Omaha	1,020	2	↑		Omaha	393	2	↔
Dayton	972	3	↔		Louisville	256	3	↑
Nashville	842	4	↑		Columbus	235	4	↓
Greensboro	812	5	↑		Richmond	217	5	↔
Raleigh	766	6	↓		Birmingham	196	6	↑
Columbus	763	7	↓		Kansas City	187	7	↓
Cincinnati	728	8	↓		Indianapolis	176	8	↔
Richmond	728	9	↓		Dayton	153	9	↑
Louisville	638	10	↔		Nashville	146	10	↔
Birmingham	580	11	↑		Jacksonville	123	11	↑
Indianapolis	470	12	↑		Memphis	84	12	↓
Charlotte	457	13	↑		Cincinnati	82	13	↔
Kansas City	439	14	↓		Charlotte	43	14	↑
Memphis	403	15	↓		Raleigh	42	15	↓
Jacksonville	247	16	↔		Greensboro	0	16	↓
	Total Postsecondary, 2009	Rank	Relative change since 2000					
Lexington	10,910	1	↔					
Dayton	8,407	2	↔					
Greensboro	8,376	3	↑					
Omaha	7,530	4	↑					
Columbus	7,366	5	↑					
Nashville	6,037	6	↑					
Richmond	5,942	7	↑					
Raleigh	5,747	8	↓					
Louisville	5,518	9	↑					
Cincinnati	5,515	10	↔					
Kansas City	5,260	11	↓					
Birmingham	4,933	12	↑					
Jacksonville	4,874	13	↑					
Charlotte	4,728	14	↑					
Indianapolis	4,714	15	↑					
Memphis	4,699	16	↓					

Source: Integrated Postsecondary Education Data System (IPEDS), 2000-01, 2009-10.

Postsecondary Degrees Awarded, 2009								
with Trends Among Louisville and its 15 Competitor Metropolitan Areas								
	Below Associate Level (less than 2 years), 2009	Rank	Relative change since 2000			Associate Level (2 years to less than 4 years), 2009	Rank	Relative change since 2000
Jacksonville	7,281	1	↑		Kansas City	4,731	1	↔
Kansas City	4,457	2	↓		Cincinnati	4,650	2	↑
Nashville	4,377	3	↔		Jacksonville	4,401	3	↓
Columbus	4,191	4	↑		Columbus	3,905	4	↔
Cincinnati	4,127	5	↓		Charlotte	3,626	5	↑
Dayton	3,507	6	↑		Indianapolis	3,441	6	↑
Memphis	3,215	7	↓		Dayton	3,295	7	↓
Louisville	3,076	8	↓		Louisville	2,982	8	↓
Charlotte	2,738	9	↔		Nashville	2,611	9	↑
Lexington	2,611	10	↑		Omaha	2,521	10	↓
Indianapolis	2,058	11	↑		Richmond	2,274	11	↑
Birmingham	1,660	12	↓		Memphis	2,140	12	↓
Raleigh	1,390	13	↓		Birmingham	1,938	13	↓
Richmond	938	14	↓		Lexington	1,726	14	↑
Omaha	854	15	↓		Raleigh	1,714	15	↓
Greensboro	777	16	↔		Greensboro	1,253	16	↔
	Bachelor's Degree (includes postbac), 2009	Rank	Relative change since 2000			Graduate, 2009	Rank	Relative change since 2000
Columbus	14,146	1	↔		Cincinnati	4,768	1	↔
Cincinnati	11,574	2	↔		Columbus	4,637	2	↔
Nashville	8,911	3	↔		Nashville	4,128	3	↔
Kansas City	6,773	4	↔		Indianapolis	2,847	4	↑
Charlotte	6,392	5	↑		Dayton	2,662	5	↓
Indianapolis	5,880	6	↑		Kansas City	2,522	6	↓
Richmond	5,842	7	↑		Louisville	2,518	7	↑
Raleigh	5,816	8	↓		Omaha	2,364	8	↓
Omaha	5,717	9	↑		Raleigh	2,292	9	↓
Greensboro	5,189	10	↓		Richmond	2,170	10	↓
Dayton	4,963	11	↓		Lexington	2,047	11	↔
Jacksonville	4,781	12	↑		Charlotte	1,880	12	↑
Lexington	4,763	13	↓		Birmingham	1,728	13	↓
Louisville	4,519	14	↑		Greensboro	1,668	14	↔
Memphis	3,896	15	↓		Jacksonville	1,352	15	↑
Birmingham	3,637	16	↓		Memphis	1,349	16	↓
	First Professional, 2009	Rank	Relative change since 2000			Total Degrees, 2009	Rank	Relative change since 2000
Columbus	1,079	1	↑		Columbus	27,958	1	↑
Omaha	868	2	↑		Cincinnati	25,655	2	↔
Indianapolis	844	3	↑		Nashville	20,515	3	↑
Kansas City	788	4	↓		Kansas City	19,271	4	↓
Richmond	685	5	↓		Jacksonville	18,225	5	↑
Louisville	593	6	↑		Indianapolis	15,070	6	↑
Birmingham	563	7	↓		Charlotte	14,752	7	↑
Lexington	547	8	↓		Dayton	14,720	8	↓
Cincinnati	536	9	↑		Louisville	13,688	9	↑
Nashville	488	10	↓		Omaha	12,324	10	↓
Jacksonville	410	11	↑		Richmond	11,909	11	↓
Dayton	293	12	↑		Lexington	11,694	12	↑
Memphis	290	13	↓		Raleigh	11,285	13	↓
Charlotte	116	14	↑		Memphis	10,890	14	↓
Raleigh	73	15	↓		Birmingham	9,526	15	↓
Greensboro	0	16	↔		Greensboro	8,887	16	↔

Source: Integrated Postsecondary Education Data System (IPEDS), 2000-01, 2009-10.

Education Attainment Rates, Louisville and 15 Comparison Metropolitan Areas, 2009								
Percent of Population 25 Years and Older with High School and College Degrees								
	High School				College			
	Estimate	<i>lower bound</i>	<i>upper bound</i>		Estimate	<i>lower bound</i>	<i>upper bound</i>	
Omaha-Council Bluffs, NE-IA	90.5%	89.7%	91.3%	Raleigh-Cary, NC	42.2%	41.2%	43.2%	
Kansas City, MO-KS	90.0%	89.5%	90.5%	Lexington-Fayette, KY	34.5%	33.0%	36.0%	
Columbus, OH	89.8%	89.3%	90.3%	Cincinnati-Middletown, OH-KY-IN	33.3%	32.5%	34.1%	
Raleigh-Cary, NC	89.4%	88.8%	90.0%	Columbus, OH	33.3%	32.5%	34.1%	
Dayton, OH	88.6%	87.9%	89.3%	Kansas City, MO-KS	32.8%	32.2%	33.4%	
Jacksonville, FL	88.2%	87.5%	88.9%	Charlotte-Gastonia-Concord, NC-SC	32.4%	31.6%	33.2%	
Cincinnati-Middletown, OH-KY-IN	87.6%	87.0%	88.2%	Omaha-Council Bluffs, NE-IA	31.7%	30.8%	32.6%	
Indianapolis, IN	87.6%	87.1%	88.1%	Richmond, VA	31.4%	30.5%	32.3%	
Nashville-Davidson-Murfreesboro, TN	86.9%	86.2%	87.6%	Indianapolis, IN	31.1%	30.5%	31.7%	
Louisville, KY-IN	86.8%	86.1%	87.5%	Nashville-Davidson-Murfreesboro, TN	31.0%	30.3%	31.7%	
Charlotte-Gastonia-Concord, NC-SC	86.7%	86.2%	87.2%	Birmingham-Hoover, AL	27.3%	26.4%	28.2%	
Lexington-Fayette, KY	86.6%	85.6%	87.6%	Jacksonville, FL	27.3%	26.5%	28.1%	
Birmingham-Hoover, AL	85.7%	85.0%	86.4%	Greensboro-High Point, NC	25.8%	24.7%	26.9%	
Richmond, VA	85.4%	84.7%	86.1%	Louisville, KY-IN	24.9%	24.0%	25.8%	
Memphis, TN-MS-AR	83.8%	82.9%	84.7%	Dayton, OH	24.8%	23.8%	25.8%	
Greensboro-High Point, NC	83.6%	82.7%	84.5%	Memphis, TN-MS-AR	24.2%	23.5%	24.9%	

Source: US Census Bureau, American Community Survey, released September 2010.



***KentuckianaWorks Human Capital Scorecard
Postsecondary Degree Report***

December 2010

In this supplement to the *KentuckianaWorks Human Capital Scorecard*, we present data on postsecondary degrees awarded in certain fields that are seen as being the most directly related to long-term economic development. These strategic fields are the STEM disciplines of science, technology, engineering and mathematics, and all health-care-related fields.

The former includes agricultural and plant sciences, environmental science, computer and information sciences, science and technical teacher education, engineering, engineering technology, biology/biological sciences, mathematics and all the physical sciences. The latter include health occupations, teacher education, clinical and counseling psychology, chiropractic medicine, dentistry and related fields, medical doctor training, pharmacist training, nursing and related health services, allied health and health sciences fields. The data come from the Integrated Postsecondary Education Data System (IPEDS), administered by the National Center for Educational Statistics.

This report covers data from 2004 through 2009. Certain trends and recent developments are highlighted below:

- ❖ In 2009, the overall number of degrees awarded in the STEM fields decreased a little bit (by just 25 degrees), but essentially remained at the new, higher level established in 2008. The drop was entirely due to 92 fewer degrees being awarded at or below the associate level (a 12 percent decline). Virtually all of the loss occurred at just two institutions, Ivy Tech Community College and Sullivan University. On the other hand, the number of bachelor's and master's degrees awarded in STEM fields grew by nearly 9 percent, the increase in degrees coming almost entirely at the University of Louisville.
- ❖ The changes above are reflected in the STEM rankings. Louisville lost ground for overall STEM degrees and degree or certification awards below and at the associate's degree level, but moved up a spot in the rankings for bachelor's degrees.
- ❖ Louisville does very well relative to its 15 peer metropolitan cities in the lower level of STEM degrees, but quite poorly at the bachelor's degree level. On a positive note, Louisville's trend for bachelor's degrees on a per capita basis is positive, having moved from 15th to 12th since 2004. While enrollment increases at IU-Southeast and Bellarmine University are still too recent to be a factor, the better academic preparation of incoming freshmen at the University of Louisville seems like it is beginning to bear fruit.

- ❖ On a per capita basis, Louisville has shown the best trend among the peer metros since 2004 in degrees in STEM fields. Louisville has moved up in the rankings for total degrees and all levels of degree, except for master's degrees, where Louisville has held steady.
- ❖ Degrees awarded in health-care-related fields increased by nearly 9 percent in 2009. Nearly all of that came at and below the associate's degree level. Associate's degrees awarded in health-care-related fields increased by almost 19 percent in 2009, while awards and certificates below the associate level grew by roughly 8 percent. The gains below the associate level were mostly at Jefferson Community and Technical College, while most of the increase in associate's degrees occurred at Spencerian College, ATA College and Ivy Tech Community College.
- ❖ Above the associate's degree level, the number of degrees awarded was fairly stable between 2004 and 2009, in total and across all the institutions. The one exception is that the University of Louisville awarded 35 more master's degrees in health-care-related fields (44 percent) in 2009 than it did in 2008.
- ❖ The peer rankings remain much the same as 2008 except that the large increase in associate's degrees translated into a jump of three spots, to 7th.
- ❖ On a per capita basis, Louisville has a mixed record since 2004 in degrees in health-care-related fields. Louisville has moved up in the rankings for associate's degrees, but has dropped in the rankings at all the other levels of degrees awarded. On a per capita basis, Louisville remains in 11th place among the 16 metros in overall health-care-related degrees awarded.
- ❖ In terms of the percentage of all degrees awarded in these strategic fields, Louisville generally ranks just below the middle of the pack of peer metros. Louisville's percentage of degrees in the strategic fields is only above the average for the group of peers at the associate's degree level (44 percent versus 42 percent), but is farthest below the First Professional level (36 percent versus 48 percent).


The *KentuckianaWorks Human Capital Scorecard* is produced for KentuckianaWorks by economic and demographic researchers at the University of Louisville. The *Scorecard* may be viewed online at www.kentuckianaworks.org or <http://monitor.louisville.edu>. Contact Professor Paul Coomes via e-mail for more information at paul.coomes@louisville.edu





SCORECARD

Postsecondary Degrees in Strategic Sectors

Science, Technology, Engineering, and Mathematics Degrees								
Postsecondary degrees, academic year ending Spring		2004	2005	2006	2007	2008	2009	
STEM	All postsecondary awards, degrees, certificates	Louisville MSA	1,535	1,482	1,535	1,523	1,635	1,610
	Awards/certificates below associate level	Louisville MSA	186	151	189	182	300	278
	Associate degrees	Louisville MSA	541	489	456	468	469	399
	Bachelor's degrees	Louisville MSA	473	523	511	537	513	568
	Master's degrees	Louisville MSA	296	272	307	263	281	296
	Doctoral degrees	Louisville MSA	39	47	72	73	72	69
	Ranking (out of 16 comparison metros)		2004	2005	2006	2007	2008	2009
	All postsecondary awards, degrees, certificates	Louisville MSA	9	11	10	10	9	11
	Awards/certificates below associate level	Louisville MSA	7	7	5	5	4	5
	Associate degrees	Louisville MSA	6	4	6	3	5	6
Bachelor's degrees	Louisville MSA	14	12	14	14	14	13	
Master's degrees	Louisville MSA	5	6	5	6	5	5	
Doctoral degrees	Louisville MSA	7	7	7	7	7	8	
Health Care Related Degrees								
Postsecondary degrees, academic year ending Spring		2004	2005	2006	2007	2008	2009	
Health Care	All postsecondary awards, degrees, certificates	Louisville MSA	1,926	1,974	2,600	2,822	3,011	3,272
	Awards/certificates below associate level	Louisville MSA	779	709	1,147	1,238	1,321	1,425
	Associate degrees	Louisville MSA	422	517	630	699	770	913
	Bachelor's degrees	Louisville MSA	290	368	420	434	470	458
	Master's degrees	Louisville MSA	197	100	125	172	155	193
	Doctoral degrees	Louisville MSA	28	62	62	65	78	69
	1st professional degree	Louisville MSA	210	218	216	214	217	214
	Ranking (out of 16 comparison metros)		2004	2005	2006	2007	2008	2009
	All postsecondary awards, degrees, certificates	Louisville MSA	11	13	9	10	10	10
	Awards/certificates below associate level	Louisville MSA	9	10	8	7	8	8
Associate degrees	Louisville MSA	10	9	11	11	10	7	
Bachelor's degrees	Louisville MSA	11	10	10	10	9	10	
Master's degrees	Louisville MSA	11	13	12	11	12	12	
Doctoral degrees	Louisville MSA	6	4	5	6	2	4	
1st professional degree	Louisville MSA	10	8	9	9	10	10	
References and notes								
Notes	Source: U.S. Department of Education, National Center for Educational Statistics, The Integrated Postsecondary Education Data System (IPEDS), data collected during academic years 2004-05, 2005-06, 2006-7, 2007-08, 2008-09, 2009-10.							
	STEM fields include agricultural & plant sciences, environmental science, computer & information sciences, math, science & technical teacher education, engineering, engineering technology, biology/biological sciences, mathematics, and all the physical sciences.							
Health care related fields include health occupations teacher education, clinical and counseling psychology, chiropractic medicine, dentistry and related fields, medical doctor training, pharmacist training, nursing, and related health services, allied health, and health sciences fields.					Research and compilation by University of Louisville			

Postsecondary Degrees Awarded per 100,000 Residents, 2009
Science, Technology, Engineering, & Mathematics Fields
with Trends Among Louisville and its 15 Competitor Metropolitan Areas

	Below Associate Level (less than 2 years), 2009			Associate Level (2 years to less than 4 years), 2009			
	Value	Rank	Relative change since 2004	Value	Rank	Relative change since 2004	
Lexington	61.59	1	↑	Dayton	61.31	1	↔
Dayton	55.56	2	↓	Lexington	54.58	2	↑
Louisville	22.09	3	↑	Richmond	47.49	3	↓
Columbus	18.09	4	↑	Louisville	31.70	4	↑
Jacksonville	16.04	5	↑	Omaha	31.31	5	↓
Cincinnati	13.81	6	↑	Columbus	29.91	6	↑
Charlotte	12.72	7	↑	Cincinnati	28.41	7	↑
Kansas City	12.67	8	↓	Kansas City	26.99	8	↑
Birmingham	9.02	9	↓	Memphis	26.97	9	↑
Greensboro	8.95	10	↑	Birmingham	24.49	10	↓
Raleigh	8.53	11	↓	Nashville	23.38	11	↓
Memphis	8.28	12	↑	Indianapolis	21.68	12	↑
Indianapolis	8.03	13	↓	Jacksonville	16.19	13	↓
Omaha	7.53	14	↓	Charlotte	15.12	14	↑
Nashville	5.37	15	↑	Raleigh	15.01	15	↓
Richmond	0.16	16	↓	Greensboro	14.55	16	↔

	Bachelor's Degree (includes postbac), 2009			Master's Degree, 2009			
	Value	Rank	Relative change since 2004	Value	Rank	Relative change since 2004	
Raleigh	195.41	1	↔	Dayton	78.44	1	↑
Lexington	164.60	2	↔	Raleigh	69.37	2	↓
Columbus	127.98	3	↔	Lexington	54.58	3	↔
Greensboro	103.11	4	↔	Columbus	31.02	4	↑
Dayton	99.87	5	↔	Greensboro	25.18	5	↓
Richmond	76.00	6	↑	Louisville	23.52	6	↔
Nashville	75.21	7	↓	Omaha	18.83	7	↑
Omaha	71.81	8	↑	Cincinnati	17.27	8	↓
Cincinnati	71.18	9	↓	Richmond	14.38	9	↑
Charlotte	56.60	10	↓	Birmingham	13.70	10	↑
Indianapolis	48.92	11	↑	Charlotte	13.52	11	↓
Louisville	45.13	12	↑	Nashville	12.96	12	↓
Birmingham	44.56	13	↓	Indianapolis	12.85	13	↑
Kansas City	38.55	14	↓	Kansas City	10.45	14	↑
Jacksonville	37.72	15	↓	Memphis	9.66	15	↓
Memphis	34.71	16	↔	Jacksonville	1.73	16	↔

	Doctoral Degree, 2009			Total Degrees, 2009			
	Value	Rank	Relative change since 2004	Value	Rank	Relative change since 2004	
Raleigh	31.09	1	↔	Lexington	361.47	1	↑
Lexington	26.12	2	↔	Raleigh	319.41	2	↓
Columbus	18.93	3	↔	Dayton	303.57	3	↔
Nashville	10.68	4	↔	Columbus	225.93	4	↔
Birmingham	9.28	5	↔	Greensboro	153.90	5	↔
Dayton	8.38	6	↑	Richmond	142.22	6	↔
Cincinnati	5.94	7	↓	Cincinnati	136.61	7	↑
Omaha	5.77	8	↑	Omaha	135.25	8	↑
Louisville	5.48	9	↑	Louisville	127.92	9	↑
Richmond	4.20	10	↓	Nashville	127.60	10	↓
Memphis	2.22	11	↑	Birmingham	101.05	11	↓
Greensboro	2.10	12	↓	Charlotte	99.74	12	↑
Indianapolis	2.06	13	↓	Indianapolis	93.54	13	↑
Charlotte	1.78	14	↔	Kansas City	88.65	14	↓
Jacksonville	0.00	15	↑	Memphis	81.84	15	↑
Kansas City	0.00	15	↔	Jacksonville	71.68	16	↓

Source: Integrated Postsecondary Education Data System (IPEDS), 2004-05, 2009-10.

Postsecondary Degrees Awarded per 100,000 Residents, 2009
Health Care Related Fields
with Trends Among Louisville and its 15 Competitor Metropolitan Areas

Below Associate Level (less than 2 years), 2009				Relative change since 2004		Associate Level (2 years to less than 4 years), 2009			
	Value	Rank	Change		Value	Rank	Change		Value
Jacksonville	257.35	1	↑	Dayton	150.53	1	↑		
Dayton	221.78	2	↑	Lexington	112.99	2	↓		
Lexington	202.40	3	↑	Cincinnati	79.10	3	↑		
Memphis	186.60	4	↓	Indianapolis	75.19	4	↑		
Columbus	157.28	5	↑	Columbus	73.54	5	↑		
Kansas City	146.45	6	↓	Louisville	72.54	6	↑		
Nashville	137.71	7	↑	Omaha	68.63	7	↔		
Louisville	113.22	8	↓	Birmingham	67.99	8	↑		
Cincinnati	111.42	9	↑	Jacksonville	66.56	9	↓		
Charlotte	78.54	10	↓	Richmond	59.68	10	↓		
Richmond	70.26	11	↓	Kansas City	56.06	11	↓		
Omaha	68.98	12	↓	Charlotte	55.86	12	↓		
Birmingham	68.17	13	↓	Greensboro	43.65	13	↑		
Indianapolis	53.62	14	↔	Nashville	42.09	14	↓		
Greensboro	36.94	15	↔	Raleigh	39.08	15	↔		
Raleigh	22.74	16	↔	Memphis	36.63	16	↓		

Bachelor's Degree (includes postbac), 2009				Relative change since 2004		Graduate, 2009			
	Value	Rank	Change		Value	Rank	Change		Value
Omaha	125.60	1	↔	Lexington	82.83	1	↑		
Columbus	73.04	2	↑	Omaha	54.38	2	↓		
Dayton	60.23	3	↔	Birmingham	50.75	3	↔		
Jacksonville	57.67	4	↑	Nashville	45.63	4	↔		
Cincinnati	56.08	5	↑	Jacksonville	36.89	5	↑		
Greensboro	47.85	6	↓	Richmond	33.44	6	↔		
Birmingham	45.62	7	↓	Indianapolis	31.49	7	↑		
Indianapolis	44.27	8	↓	Dayton	28.74	8	↑		
Lexington	38.65	9	↓	Columbus	28.47	9	↓		
Nashville	37.35	10	↑	Cincinnati	27.40	10	↑		
Louisville	36.39	11	↓	Greensboro	25.04	11	↓		
Kansas City	36.03	12	↓	Louisville	20.82	12	↓		
Richmond	32.63	13	↔	Kansas City	13.30	13	↓		
Memphis	27.82	14	↔	Memphis	9.89	14	↑		
Charlotte	19.42	15	↔	Charlotte	6.47	15	↓		
Raleigh	7.02	16	↔	Raleigh	1.15	16	↔		

1st Professional, 2009				Relative change since 2004		Total Degrees, 2009			
	Value	Rank	Change		Value	Rank	Change		Value
Omaha	84.99	1	↔	Lexington	494.85	1	↑		
Lexington	57.98	2	↔	Dayton	475.53	2	↑		
Birmingham	34.75	3	↑	Jacksonville	418.48	3	↑		
Richmond	31.90	4	↑	Omaha	402.58	4	↓		
Indianapolis	31.20	5	↑	Columbus	360.41	5	↑		
Kansas City	29.99	6	↓	Cincinnati	286.48	6	↑		
Columbus	28.08	7	↔	Kansas City	281.83	7	↓		
Nashville	19.02	8	↑	Nashville	281.81	8	↑		
Louisville	17.00	9	↓	Memphis	269.98	9	↓		
Dayton	14.25	10	↑	Birmingham	267.27	10	↓		
Cincinnati	12.48	11	↓	Louisville	259.98	11	↔		
Memphis	9.04	12	↓	Indianapolis	235.77	12	↔		
Charlotte	2.98	13	↔	Richmond	227.91	13	↓		
Greensboro	0.00	14	↓	Charlotte	163.27	14	↔		
Jacksonville	0.00	14	↓	Greensboro	153.48	15	↔		
Raleigh	0.00	14	↓	Raleigh	69.99	16	↔		

Source: Integrated Postsecondary Education Data System (IPEDS), 2004-05, 2009-10.

**Percentage of Degrees Awarded in Science, Technology, Engineering, Mathematics
& Health Care Related Fields, with Ranks Among the Sixteen Competitor Metropolitan Areas, 2009**

Metropolitan Area	Below Associate Level Awards (less than 2 years)	Associate Level Awards (2 years to less than 4 years)	Bachelor's Degree (includes postbac)	Graduate Degrees	First Professional	Total Degrees
Birmingham	52.6%	54.0%	28.0%	48.3%	69.8%	43.7%
Charlotte	58.2%	34.2%	20.8%	20.2%	44.8%	31.1%
Cincinnati	65.9%	50.2%	23.9%	23.0%	50.6%	35.8%
Columbus	75.4%	47.7%	25.6%	30.5%	46.9%	37.8%
Dayton	66.0%	53.7%	26.9%	36.3%	40.6%	44.2%
Greensboro	42.2%	33.2%	20.8%	22.4%	n/a	24.7%
Indianapolis	52.2%	49.1%	27.6%	28.4%	64.5%	38.1%
Jacksonville	49.9%	25.0%	26.5%	37.9%	0.0%	35.7%
Kansas City	73.8%	36.3%	22.8%	19.5%	78.7%	39.7%
Lexington	47.6%	45.7%	20.1%	37.6%	49.9%	34.5%
Louisville	55.4%	44.0%	22.7%	24.9%	36.1%	35.7%
Memphis	79.1%	38.8%	20.9%	21.1%	40.7%	42.2%
Nashville	51.7%	39.7%	20.0%	26.6%	61.7%	31.6%
Omaha	76.1%	33.7%	29.3%	28.4%	83.2%	37.1%
Raleigh	25.3%	35.5%	39.2%	49.9%	0.0%	38.8%
Richmond	93.0%	58.4%	23.0%	29.7%	57.7%	38.5%
Birmingham	10	2	3	2	3	2
Charlotte	8	13	14	15	10	15
Cincinnati	7	4	8	12	7	10
Columbus	4	6	7	6	9	8
Dayton	6	3	5	5	12	1
Greensboro	15	15	13	13	n/a	16
Indianapolis	11	5	4	8	4	7
Jacksonville	13	16	6	3	14	11
Kansas City	5	11	10	16	2	4
Lexington	14	7	15	4	8	13
Louisville	9	8	11	11	13	12
Memphis	2	10	12	14	11	3
Nashville	12	9	16	10	5	14
Omaha	3	14	2	9	1	9
Raleigh	16	12	1	1	14	5
Richmond	1	1	9	7	6	6

Source: Integrated Postsecondary Education Data System (IPEDS), 2009-10.

Awards in Strategic Sectors, Louisville MSA Postsecondary Institutions						
Science, Technology, Engineering, & Mathematics Fields						
Awards below Associate level, Academic Year ending Spring	2004	2005	2006	2007	2008	2009
Ivy Tech Community College-South Central	9	6	11	15	61	20
Jefferson Community College/Jefferson Community & Technology College	64	36	63	59	141	173
Jefferson Technical College	1	0	0	0	0	0
Louisville Technical Institute/Sullivan College of Technology and Design	44	38	39	36	26	36
RETS Electronic Institute/Brown Mackie College-Louisville	5	2	3	0	0	0
Sullivan University	63	69	71	55	58	37
ATA Career Education/ATA College	0	0	2	17	14	12
Total, Louisville Metropolitan Area	186	151	189	182	300	278
Associate Degrees, Academic Year ending Spring	2004	2005	2006	2007	2008	2009
Ivy Tech Community College-South Central	45	43	51	53	77	48
Indiana University-Southeast	18	8	11	3	8	5
Jefferson Community College/Jefferson Community & Technology College	95	56	53	36	44	45
Jefferson Technical College	1	7	0	0	0	0
Louisville Technical Institute/Sullivan College of Technology and Design	87	83	96	131	120	120
RETS Electronic Institute/Brown Mackie College-Louisville	108	65	48	33	16	8
Sullivan University	63	72	77	70	66	48
Decker College Of Business Technology	4	0	0	0	0	0
Kentucky Career Institute/Daymar College-Louisville	0	14	6	5	0	1
ITT Technical Institute	120	149	114	137	138	124
Total, Louisville Metropolitan Area	541	497	456	468	469	399
Bachelors Degrees, Academic Year ending Spring	2004	2005	2006	2007	2008	2009
Indiana University-Southeast	64	48	51	54	64	56
Bellarmino University	39	27	27	56	26	24
University of Louisville	350	434	420	407	399	453
Spalding University	20	6	9	4	3	6
ITT Technical Institute	0	0	4	15	15	22
University of Phoenix-Louisville Campus	0	0	0	1	6	7
Total, Louisville Metropolitan Area	473	515	511	537	513	568
Masters Degrees, Academic Year ending Spring	2004	2005	2006	2007	2008	2009
Bellarmino University	15	10	9	12	11	13
University of Louisville	281	262	298	251	270	283
Total, Louisville Metropolitan Area	296	272	307	263	281	296
Doctoral Degrees, Academic Year ending Spring	2004	2005	2006	2007	2008	2009
University of Louisville	39	47	72	73	72	69
Total, Louisville Metropolitan Area	39	47	72	73	72	69
Note: Jefferson Community College and Jefferson Technical College merged to form Jefferson Community and Technical College in 2005.						

Awards in Strategic Sectors, Louisville MSA Postsecondary Institutions

Health Care Related Fields

Awards below Associate level, Academic Year ending Spring	2004	2005	2006	2007	2008	2009
Ivy Tech Community College-South Central	88	83	103	87	87	98
Galen College of Nursing-Louisville	90	107	132	192	262	301
Jefferson Community College/Jefferson Community & Technology College	0	0	368	345	371	512
Jefferson Technical College	75	124	0	0	0	0
RETS Electronic Institute/Brown Mackie College-Louisville	0	0	0	1	0	0
Spalding University	0	0	1	0	0	0
Spencerian College	402	338	385	384	356	339
Sullivan University	0	2	3	5	2	0
Kentucky Career Institute/Daymar College-Louisville	15	55	28	16	14	10
Decker College-Louisville	109	0	0	0	0	0
ATA Career Education/ATA College	0	0	127	208	229	165
Total, Louisville Metropolitan Area	779	709	1,147	1,238	1,321	1,425

Associate Degrees, Academic Year ending Spring	2004	2005	2006	2007	2008	2009
Ivy Tech Community College-South Central	75	77	118	129	140	176
Galen College of Nursing-Louisville	0	0	0	129	178	160
Jefferson Community College/Jefferson Community & Technology College	126	194	264	256	247	241
University of Louisville	28	29	30	0	0	0
RETS Electronic Institute/Brown Mackie College-Louisville	10	5	17	23	39	66
Spalding University	0	0	0	0	1	0
Spencerian College	173	186	153	113	123	182
Sullivan University	10	8	9	9	0	22
Kentucky Career Institute/Daymar College-Louisville	0	18	39	40	39	25
ATA Career Education/ATA College	0	0	0	0	3	41
Total, Louisville Metropolitan Area	422	517	630	699	770	913

Bachelors Degrees, Academic Year ending Spring	2004	2005	2006	2007	2008	2009
Indiana University-Southeast	30	34	57	45	63	52
Bellarmino University	90	130	128	133	152	143
University of Louisville	102	127	152	189	182	184
Spalding University	68	76	83	67	73	78
Ottawa University-Jeffersonville	0	1	0	0	0	1
Total, Louisville Metropolitan Area	290	368	420	434	470	458

Masters Degrees, Academic Year ending Spring	2004	2005	2006	2007	2008	2009
Bellarmino University	35	31	17	38	10	9
University of Louisville	74	51	48	79	79	114
Spalding University	88	18	60	55	66	68
University of Phoenix-Louisville Campus	0	0	0	0	0	2
Total, Louisville Metropolitan Area	197	100	125	172	155	193

Doctoral Degrees, Academic Year ending Spring	2004	2005	2006	2007	2008	2009
Bellarmino University	0	38	27	28	36	41
University of Louisville	16	14	15	13	18	12
Spalding University	12	10	20	24	24	16
Total, Louisville Metropolitan Area	28	62	62	65	78	69

First Professional Degrees, Academic Year ending Spring	2004	2005	2006	2007	2008	2009
University of Louisville	210	218	216	214	217	214
Total, Louisville Metropolitan Area	210	218	216	214	217	214

Note: Jefferson Community College and Jefferson Technical College merged to form Jefferson Community and Technical College in 2005.