



Education Asset Inventory

for Greater Kansas City

Research by the Council for Adult & Experiential Learning as part of the
Lumina Foundation Partnership for Attainment
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Lumina[™]
FOUNDATION



CAEL
Linking Learning and Work

MARC
MID-AMERICA REGIONAL COUNCIL

GRADFORCE

In June 2014, Lumina Foundation selected the Kansas City region to participate in the second phase of its community-based postsecondary education attainment strategy. Lumina launched the strategy in 2013 with a cohort of 20 cities, and has since expanded to a total of 75 communities.

Lumina’s strategy is designed to help communities and regions dramatically increase the number of local residents with postsecondary education credentials. As a participating region, Kansas City benefits from significant technical and planning assistance, data tools, flexible funding, and the ability to customize attainment plans that will best suit the community’s needs. Kansas City’s initiative is known as **GradForceKC**.

GradForce KC Partners

Regional Leadership Groups

- Civic Council of Greater Kansas City
- Greater Kansas City Chamber of Commerce
- Kansas City Area Development Council
- Kansas City Area Research Education Consortium
- Mid-America Regional Council

Philanthropy

- Ewing Marion Kauffman Foundation
- Greater Kansas City Community Foundation
- United Way of Greater Kansas City

Workforce Investment Boards

- Workforce Partnership
- Full Employment Council

K-12 Civic Intermediaries

- KC STEM Alliance
- PREP-KC
- Hispanic Development Fund
- Pathways to Prosperity

Secondary Schools & Accelerated Learning Programs

- Kansas City Kansas School District
- Kansas City Missouri School District
- Liberty School District
- North Kansas City School District
- Northland CAPS
- Missouri Innovation Campus
- Shawnee Mission School District
- Summit Tech Academy

Postsecondary Education

- DeVry University
- Donnelly College
- Johnson County Community College
- Kansas City Kansas Community College
- Kansas State University – Olathe Campus
- Metropolitan Community College
- Park University
- Rockhurst University
- University of Central Missouri
- University of Kansas – Edwards Campus
- University of Missouri – Kansas City

Introduction

Like other metropolitan areas across the nation, the Kansas City region faces challenges in educating a skilled workforce to meet employer demands. About 34 percent of adults over age 25 in the region have at least a bachelor's degree, but the demand for educated workers in the region exceeds supply. In the last 10 years, 40 percent of new jobs created require a bachelor's degree.

Through its Community Partnership for Attainment, Lumina is helping communities like Greater Kansas City dramatically increase the number of local residents with postsecondary education credentials. Lumina has set a national goal to increase the percentage of Americans with high-quality degrees and credentials to 60 percent by the year 2025.

Kansas City's community partnership, known as GradForce KC, includes community and philanthropic organizations, workforce investment boards, civic intermediaries, accelerated learning programs, and secondary and postsecondary educational institutions. This partnership is working to increase educational attainment in the region with a particular focus on two key populations: adult learners, many of whom may have attended some college but never completed a degree; and underserved students in the urban core, who may not see college as an option without community support systems.

GradForce KC is also focused on educational attainment as a key driver of the regional economy — ensuring that residents not only earn postsecondary credentials, but that those credentials lead to better job opportunities. Connecting employers needs to educational offerings is a critical step in creating a 21st-century workforce.

About the Education Asset Inventory

In June 2015, the Council for Adult and Experiential Learning (CAEL) launched an inventory of educational assets in the Kansas City region as part of Lumina Foundation's Community Partnership for Attainment. Objectives for the inventory include:

- Documenting postsecondary education offerings that support skill development in targeted sectors.
- Highlighting the availability or absence of programs that support skilled pipelines for industry.
- Providing high-level recommendations on program development and alignment that can supplement long-term education strategies.

CAEL began by inventorying programs with credentials in five sectors that are particularly important to Kansas City's regional economy: architecture and engineering, information technology, finance and insurance, advanced manufacturing, and telecommunications and mobile. Program offerings were identified from course catalogs and online information provided by the institutions surveyed. The inventory only reviews program availability; student enrollment and total credentials awarded were not part of this project.

A SKILLS GAP:

By 2018



of U.S. jobs
will require
postsecondary
education

22 MILLION

jobs will require
college degrees,
resulting in a
shortage of

8 MILLION

people with degrees

Each additional

1% POINT

in the college
attainment
rate adds

\$124 BILLION
to national income

Educational Institutions Included in the Asset Inventory

CAEL reviewed course offerings from 53 educational institutions in and around the Kansas City metro area. Ten of the institutions did not offer credentials in the five key sectors studied, and two closed their operations in Kansas City after the inventory was completed. The 41 institutions included in the inventory data are listed below. The numbers correspond with the map on the following page.

PUBLIC INSTITUTIONS

1. Johnson County Community College, 12345 College Blvd., Overland Park, Kansas
2. Kansas City Kansas Community College, 7250 State Ave., Kansas City, Kansas
3. Kansas State University, Manhattan, Kansas
4. Lex La-Ray Technical Center, 2323 High School Dr., Lexington, Missouri
5. Metropolitan Community College — Blue River Campus, 20301 East 78 Highway, Independence, Missouri
6. Metropolitan Community College — Business & Technology Campus, 1775 Universal Avenue, Kansas City, Missouri
7. Metropolitan Community College — Longview Campus, 500 SW Longview Road, Lee's Summit, Missouri
8. Metropolitan Community College — Maple Woods Campus, 2601 NE Barry Road, Kansas City, Missouri
9. Metropolitan Community College — Penn Valley Campus, 3201 Southwest Trafficway, Kansas City, Missouri
10. Missouri University of Science & Technology, Rolla, Missouri
11. Pittsburg State University, Pittsburg, Kansas
12. University of Central Missouri, Warrensburg, Missouri
13. University of Kansas, Lawrence, Kansas
14. University of Missouri — Columbia, Columbia, Missouri
15. University of Missouri — Kansas City, 5100 Rockhill Road, Kansas City, Missouri

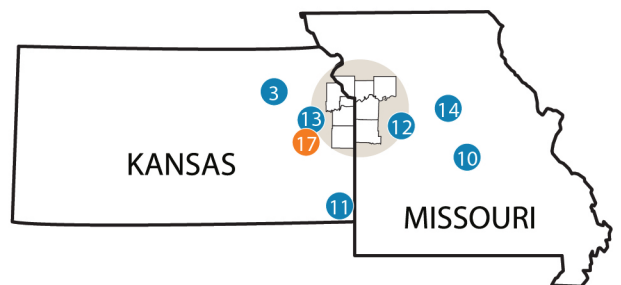
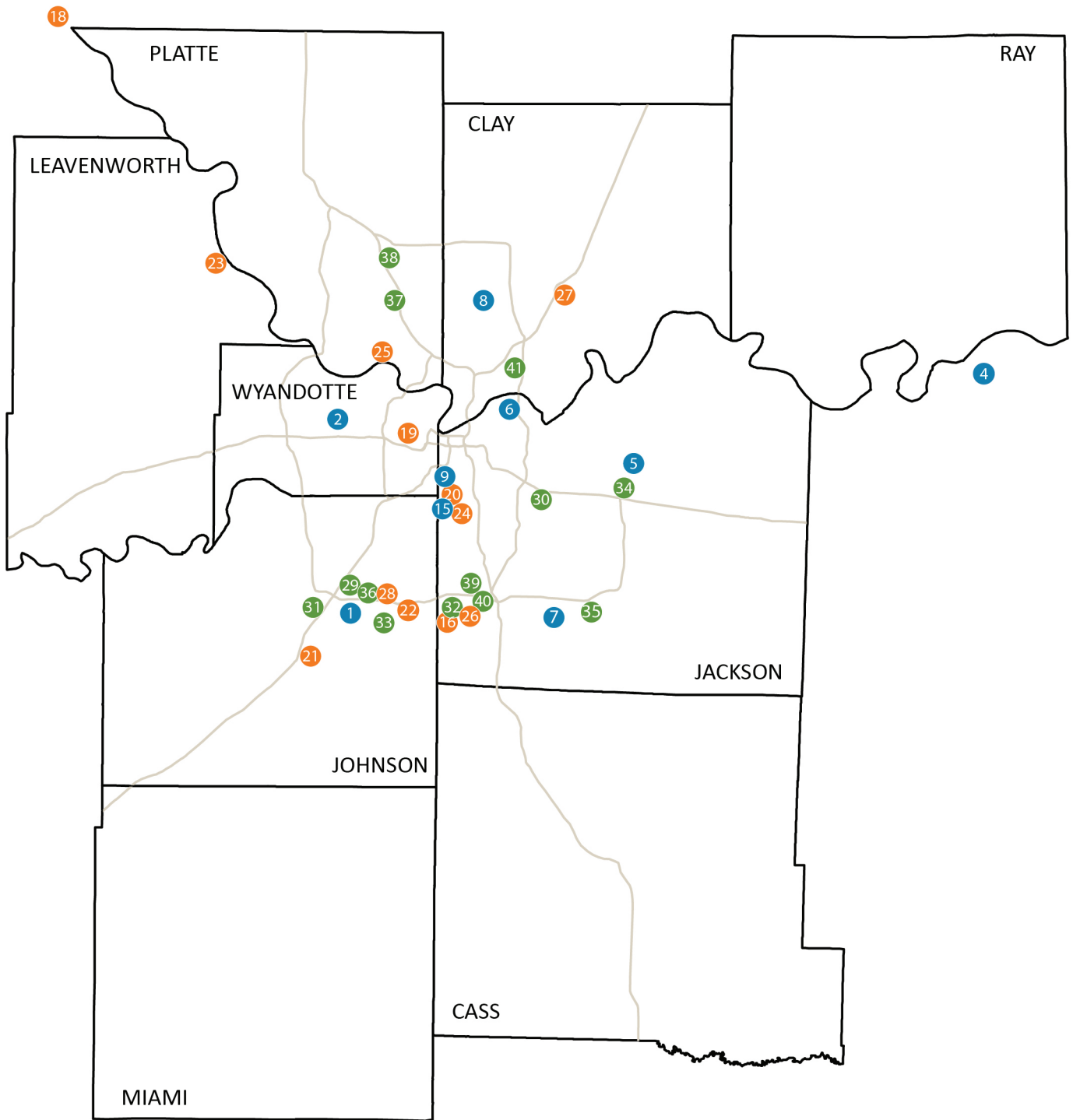
PRIVATE INSTITUTIONS

16. Avila University, 11901 Wornall Road, Kansas City, Missouri
17. Baker University, 618 Eighth St., Baldwin City, Kansas
18. Benedictine College, 1020 N 2nd St., Atchison, Kansas
19. Donnelly College, 608 N 18th St., Kansas City, Kansas
20. Kansas City Art Institute, 4415 Warwick Blvd., Kansas City, Missouri
21. MidAmerica Nazarene University, 2030 E College Way, Olathe, Kansas
22. Ottawa University-Kansas City, 4370 W 109th St. #200, Overland Park, Kansas
23. Park University, 8700 NW River Park Dr., Parkville, Missouri
24. Rockhurst University, 1100 Rockhurst Road, Kansas City, Missouri
25. University of Saint Mary, 4100 S 4th St., Leavenworth, Kansas
26. Webster University, 10450 Holmes Road #100, Kansas City, Missouri
27. William Jewell College, 500 College Hill, Liberty, Missouri
28. Wright Career College, 10700 Metcalf Ave., Overland Park, Kansas

FOR-PROFIT INSTITUTIONS

29. Brown Mackie College-Kansas City, 9705 Lenexa Dr., Lenexa, Kansas
30. DeVry University, 11224 Holmes Road, Kansas City, Missouri
31. Grantham University, 16025 W 113th St., Lenexa, Kansas
32. ITT Technical Institute — Kansas City, 9150 E 41st Terr., Kansas City, Missouri
33. ITT Technical Institute — Overland Park, 7600 W 119th St. #100, Overland Park, Kansas
34. National American University — Independence, 3620 Arrowhead Ave., Independence, Missouri
35. National American University — Lee's Summit, 401 NW Murray Road, Lee's Summit, Missouri
36. National American University — Overland Park, 10310 Mastin St., Overland Park, Kansas
37. National American University — Zona Rosa, 7490 NW 87th St., Kansas City, Missouri
38. Pinnacle Career Institute — North Kansas City, 11500 NW Ambassador Dr. #221, Kansas City, Missouri
39. Pinnacle Career Institute — South Kansas City, 1001 E 101st Terr., Suite 325, Kansas City, Missouri
40. University of Phoenix — Kansas City Campus, 1310 E 104th St. #100, Kansas City, Missouri
41. Vatterott College — Kansas City, 4131 N Corrington Ave., Kansas City, Missouri

MAP OF EDUCATIONAL INSTITUTIONS INVENTORIED



Targeted Industry Sectors

Using employment and economic data, the Mid-America Regional Council's research services staff identified five industry sectors that are particularly important to the regional economy — traded sectors in which we specialize. These are industries where the region has a concentration that can lead to an economic advantage. The educational asset inventory focused on credentials offered in these sectors. Note that some credentials in the inventory are listed under more than one sector. For example, civil engineering programs are listed under both architecture and engineering and advanced manufacturing.



Architecture & Engineering

Types of Firms: Architectural and engineering firms, specialized design services
Local Examples: HOK, HNTB, BNIM, Black & Veatch, Burns & McDonnell
Employment: 75,678 jobs



Information Technology

Types of Firms: Health IT, software publishers, data processing, hosting and related services, computer systems design services
Local Examples: Cerner, DST
Employment: 27,792 jobs



Finance & Insurance

Types of Firms: Banks, securities and brokerage firms, insurance carriers and agencies
Local Examples: UMB, Commerce Bank, BATS, Kansas City Life, Bank of America Corporation, Lockton, American Century Mutual Funds
Employment: 63,747 jobs



Advanced Manufacturing

Types of Firms: Precision technologies, CNC machining, millwork, robotics, 3D printing
Local Examples: Ford, GM, Holland America, Garmin, Bayer, Harley Davidson
Employment: 74,211 jobs



Telecommunications and Mobile

Types of Firms: Wired and wireless carriers
Local Examples: Sprint, AT&T, CenturyLink
Employment: 14,343 jobs

Postsecondary Credentials

Throughout the inventory, available programs are categorized by the type of credential a student may earn. General definitions for each credential type are provided below.

- **Certificate** — A formal award certifying the satisfactory completion of an organized program of study at the postsecondary education level. Certificates typically require at least one but less than two full-time equivalent academic years, or from 900 to 1,800 contact hours.
- **Coursework for Transfer Credit** — This category includes several types of programs that result in postsecondary course credit that can be transferred to another institution. Examples include credits earned while still in high school that count toward a degree at a two-year or four-year school, or credits earned at a community college that can be transferred to a four-year school. Short-term training is also included in this category.
- **Associate Degree** — A postsecondary award that normally requires at least two but less than four years of full-time equivalent college course work.
- **Minor** — An academic award for a student's secondary field of study or specialization conducted as part of an undergraduate program. Course requirements vary by program and institution.
- **Bachelor's Degree** — An academic award, also called a baccalaureate degree, that normally requires at least four but not more than six years of full-time equivalent college-level course work.
- **Master's Degree** — An award that requires the successful completion of a program of postsecondary study beyond the bachelor's degree. It typically includes at least the full-time equivalent of one but not more than two academic years of work.
- **Graduate Certificate** — An award that certifies the completion of a post-graduate program of study that is more limited in scope than a master's degree. It typically can be completed in one academic year or one semester.
- **Doctorate** — A Ph.D. or other doctoral degree that requires advanced work beyond the master's level, including the preparation and defense of a dissertation based on original research, or the planning and execution of an original project demonstrating substantial scholarly achievement.



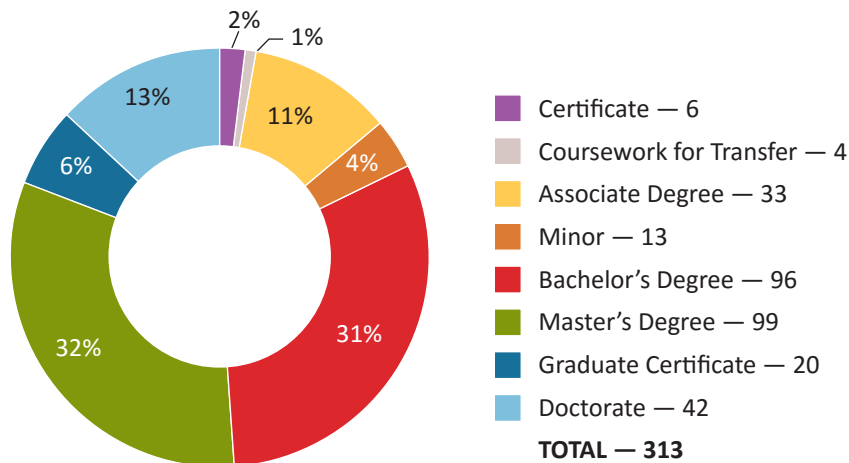
Architecture & Engineering

Educational Asset Inventory

Key Observations on Educational Opportunities

- The Kansas City region’s educational institutions offer strong pathways from the associate level to more advanced degrees for careers in architecture.
- There are limited opportunities at the certificate level to aid in “on-ramping” students to a more advanced career pathway.
- Significant programming is available to support degrees in electrical engineering.
- Options are more limited in niche engineering competencies, such as aerospace, aviation, mechanical engineering and nuclear engineering. Economic growth may drive further development in these areas.

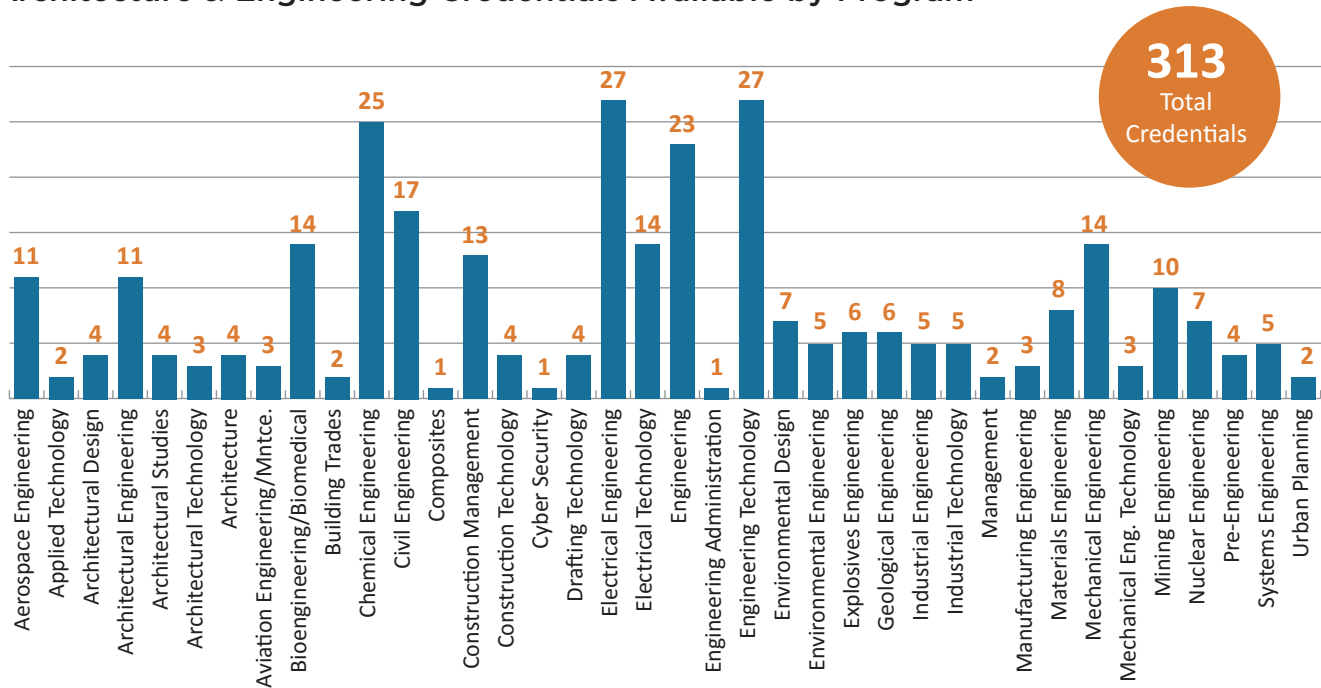
Credentials Available by Type



Credentials Available by Institution Type

	Certificate	Transfer	Associate	Minor	Bachelor	Master	Grad. Cert.	Doctorate
Public	5	2	20	13	78	97	20	42
Private		1	3		12	1		
For-Profit	1	1	10		6	1		

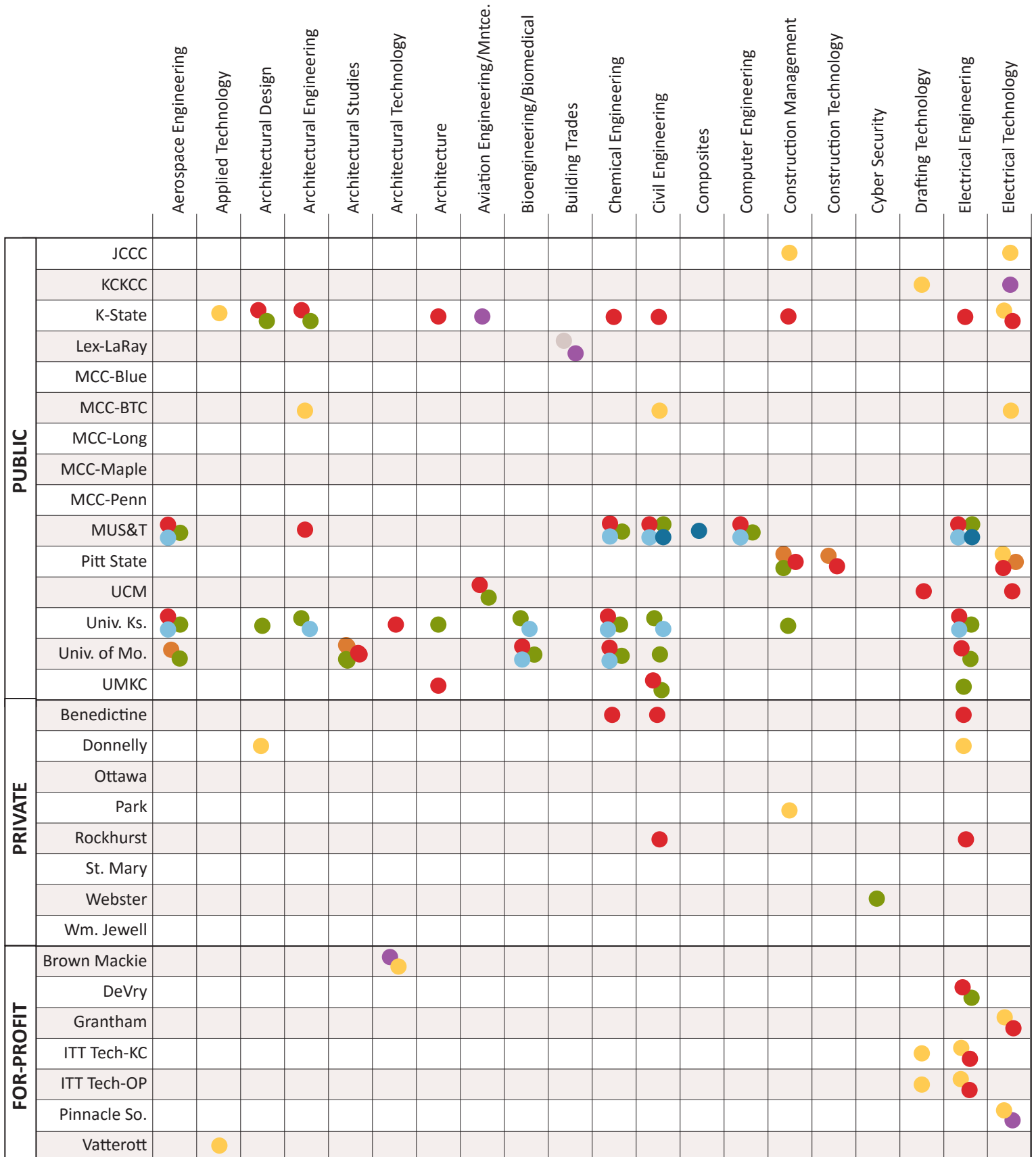
Architecture & Engineering Credentials Available by Program



Architecture & Engineering Credentials by Program and Type

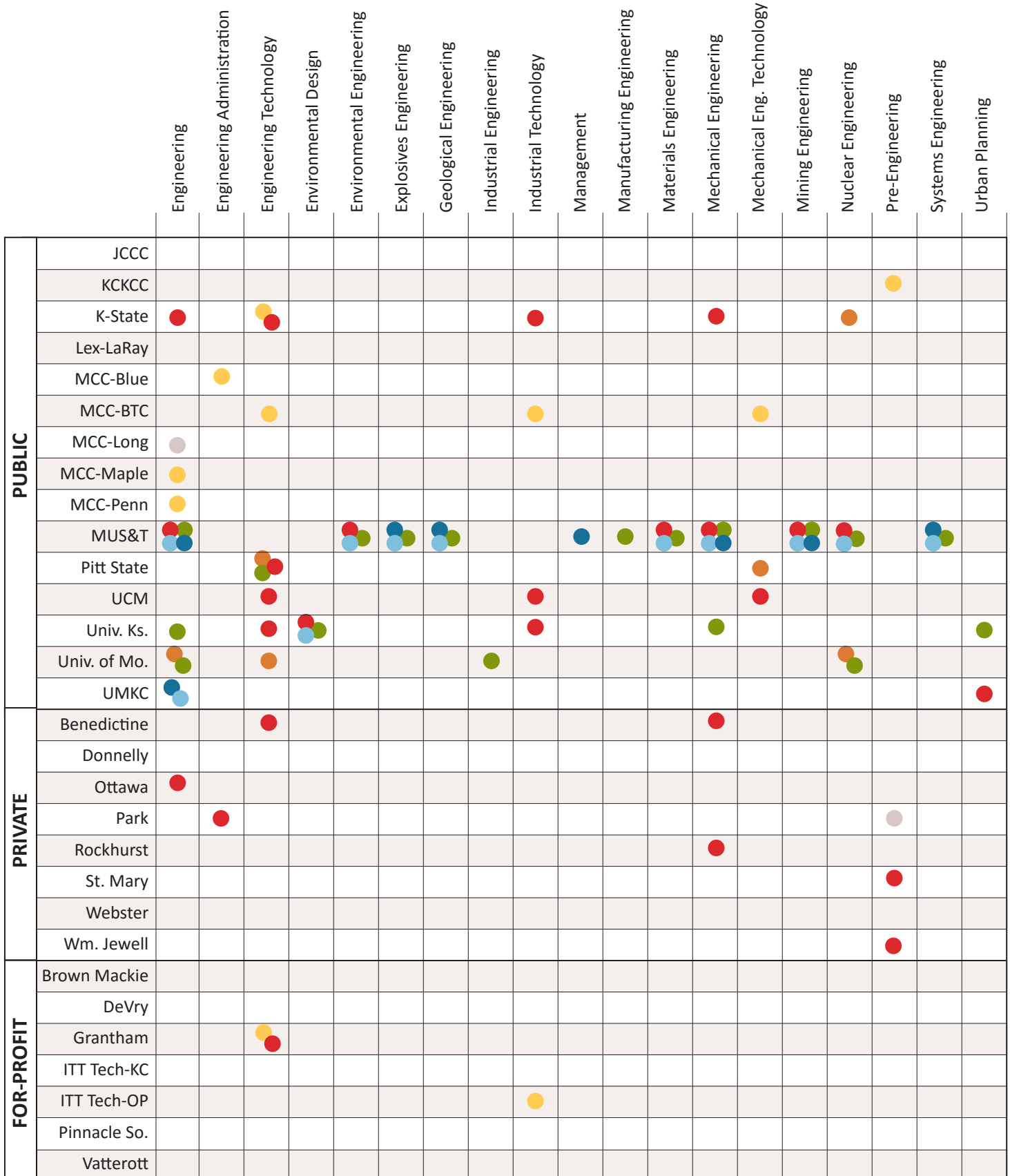
	Certificate	Transfer	Associate	Minor	Bachelor	Master	Grad. Cert.	Doctorate
Aerospace Engineering				1	2	5		3
Applied Technology			2					
Architectural Design			1		1	2		
Architectural Eng.			1		3	7	1	1
Architectural Studies				1	1	2		
Architectural Tech.		1	1		1			
Architecture					2	2		
Aviation Eng./Mnt.	1				1	1		
Bioeng./Biomedical					2	6		6
Building Trades	1	1						
Chemical Engineering					14	6		5
Civil Engineering			1		5	7	1	3
Composites							1	
Computer Engineering					1	2		1
Construction Mgmt.			2	1	7	3		
Construction Tech.				2	2			
Cyber Security						1		
Drafting Technology			3		1			
Electrical Engineering			2		11	10	1	3
Electrical Technology	2		7	1	4			
Engineering	2	1	3	2	4	6	3	2
Engineering Admin.					1			
Engineering Tech.			5	2	14	6		
Environmental Design					2	3		2
Environmental Eng.					2	2		1
Explosives Engineering						2	2	2
Geological Engineering						2	3	1
Industrial Engineering						5		
Industrial Technology			2		3			
Management							2	
Manufacturing Eng.						3		
Materials Engineering					2	3		3
Mechanical Eng.					4	5	3	2
Mechanical Eng. Tech.			1	1	1			
Mining Engineering					2	3	1	4
Nuclear Engineering				2	1	2		2
Pre-Engineering		1	2		1			
Systems Engineering						2	2	1
Urban Planning					1	1		

Architecture and Engineering Programs by Institution



● Certificate ● Transfer ● Associate ● Minor ● Bachelor ● Master ● Grad. Cert. ● Doctorate

Architecture and Engineering Programs by Institution | *continued from previous page*



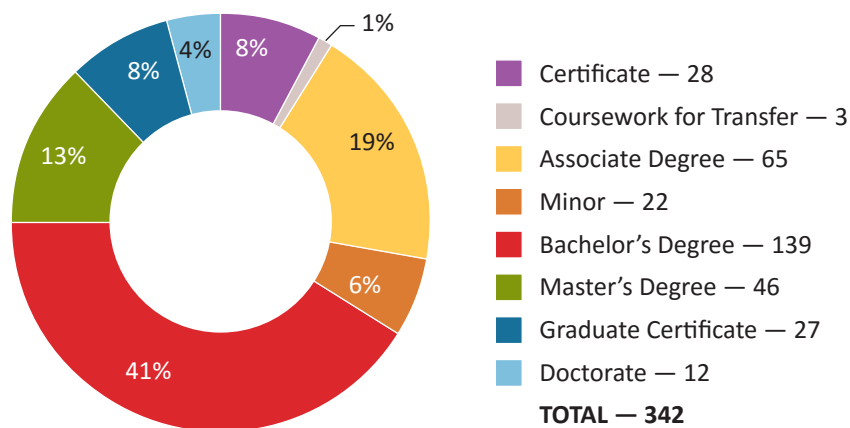
● Certificate
 ● Transfer
 ● Associate
 ● Minor
 ● Bachelor
 ● Master
 ● Grad. Cert.
 ● Doctorate



Key Observations on Educational Opportunities

- General skill development (Computer Science, Information Systems and Networking) is dominant in IT programs across the region.
- For-profit institutions offer a significant range of program competencies and credential levels.
- Cyber and system security program options are limited.
- The region’s educational institutions offer strong pathways from certificate through bachelor-level credentials.

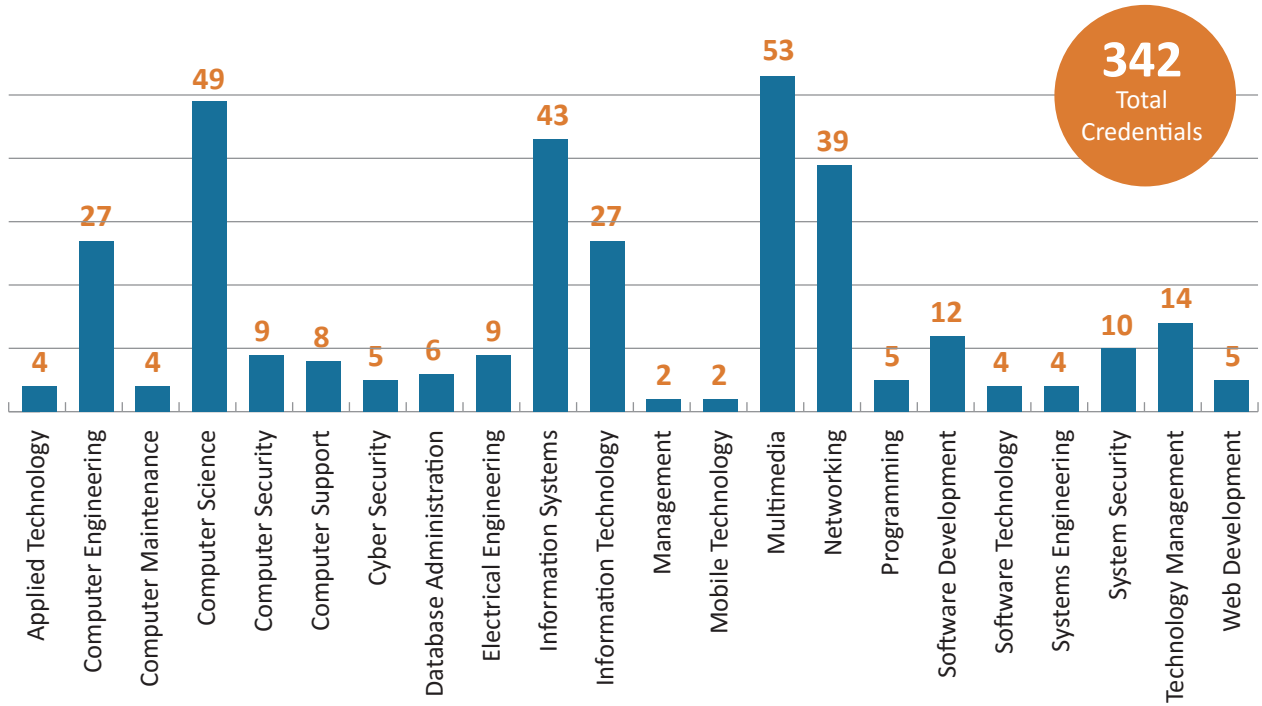
Credentials Available by Type



Credentials Available by Institution Type

	Certificate	Transfer	Associate	Minor	Bachelor	Master	Grad. Cert.	Doctorate
Public	13	1	35	7	60	33	22	11
Private			5	15	34	4	1	
For-Profit	15	2	25		45	9	4	1

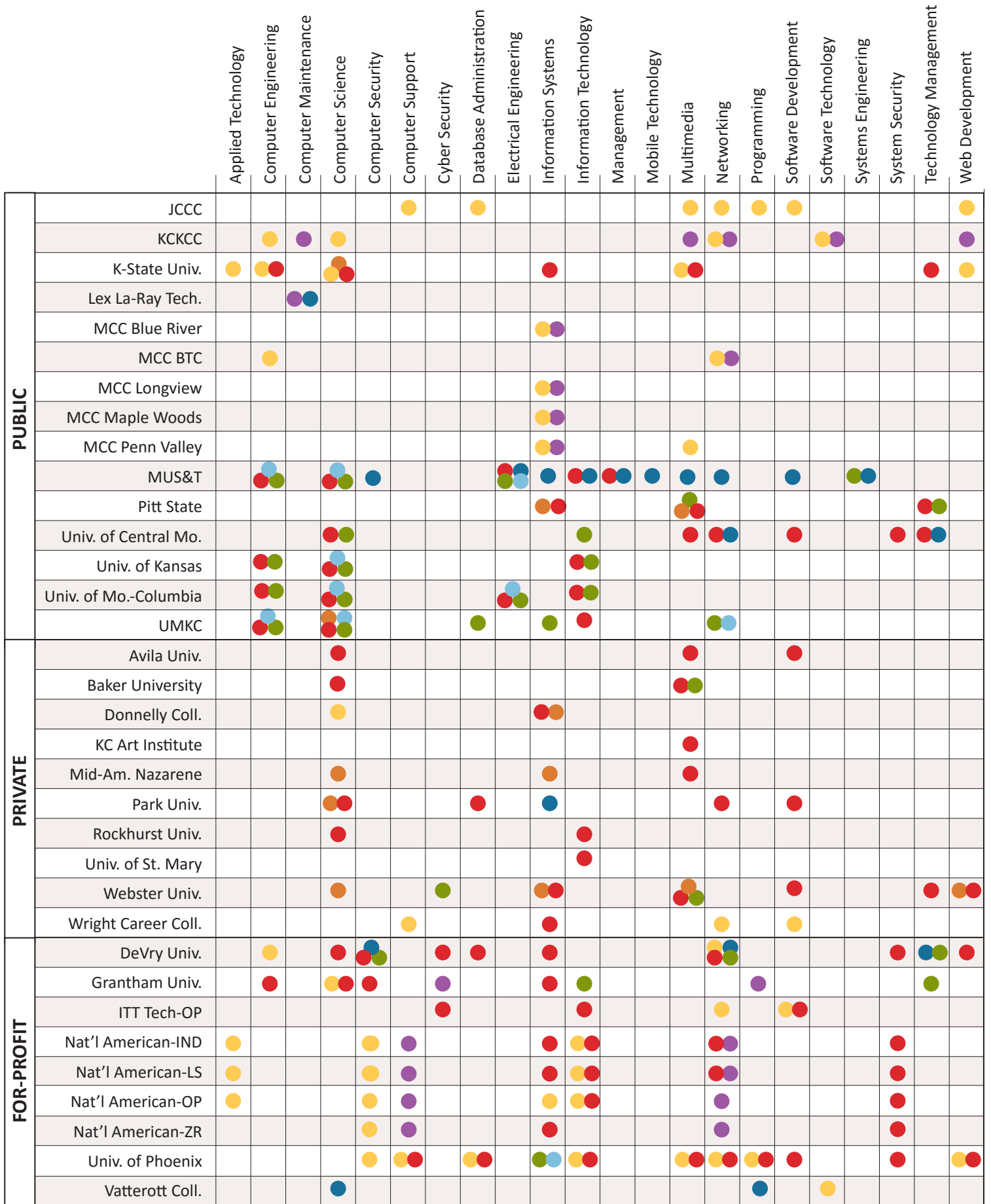
Information Technology Credentials Available by Program



Information Technology Credentials by Program and Type

	Certificate	Transfer	Associate	Minor	Bachelor	Master	Grad. Cert.	Doctorate
Applied Technology			4					
Computer Engineering			10		8	6	1	2
Computer Maintenance	3	1						
Computer Science		1	6	5	24	9		4
Computer Security			5		2	1	1	
Computer Support	4		3		1			
Cyber Security	2				2	1	1	
Database Admin.			2		3	1		
Electrical Engineering					2	3	1	3
Information Systems	4		8	4	13	5	8	1
Information Technology			4		15	6	2	
Management					1		1	
Mobile Technology							2	
Multimedia	1		4	13	29	5	1	
Networking	12		8		11	2	5	1
Programming	1	1	2		1			
Software Development			3		8		1	
Software Technology	1		3					
Systems Engineering						2	1	1
System Security					10			
Technology Mgmt.					7	5	2	
Web Development			3		2			

Information Technology Programs by Institution



● Other ● Certificate ● Associate ● Minor ● Bachelor ● Master ● Doctorate



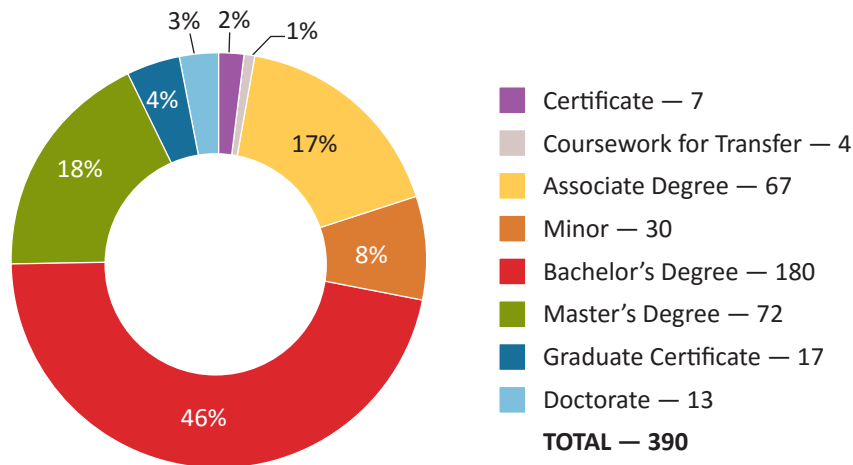
Finance & Insurance

Educational Asset Inventory

Key Observations on Educational Opportunities

- Business administration, management and accounting programs make up the largest share of sector skill development.
- There is significant availability of entrepreneurship programs.
- There is limited availability of programs specifically supporting this sector, such as statistics and actuarial sciences.
- Only six certificate programs are available, compared to 61 associate-level programs, limiting options for on-ramping and entry level credentials.

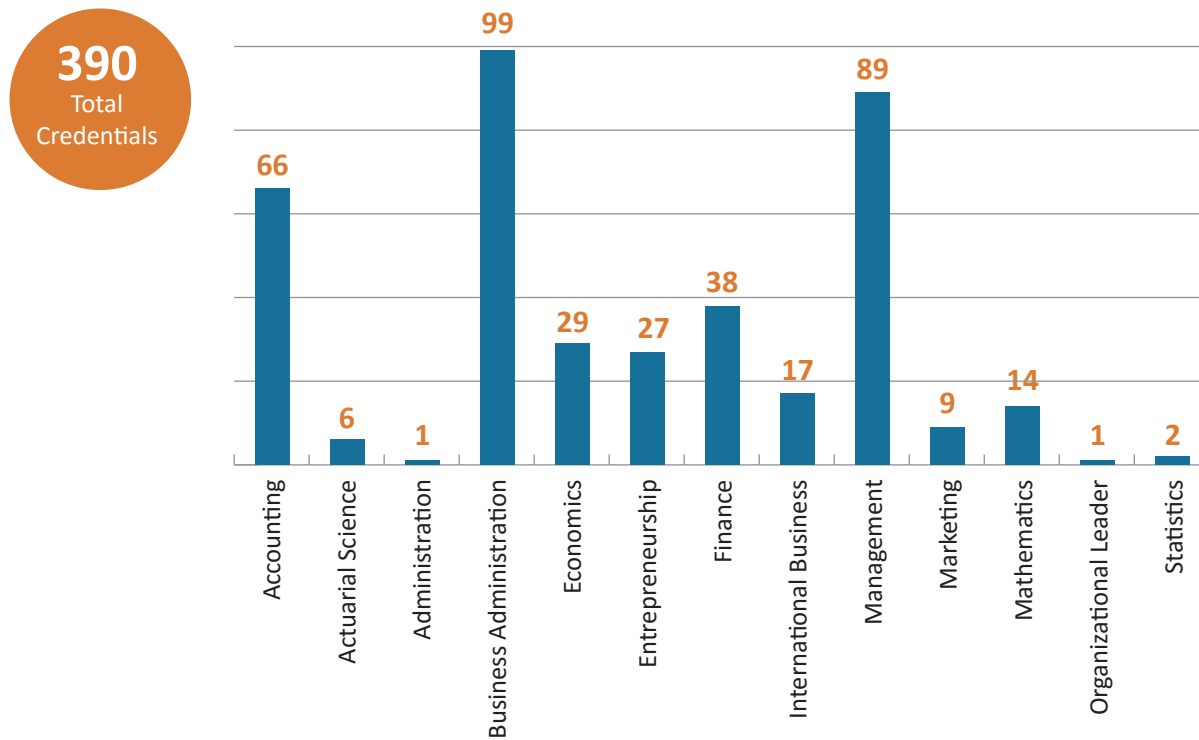
Credentials Available by Type



Credentials Available by Institution Type

	Certificate	Transfer	Associate	Minor	Bachelor	Master	Grad. Cert.	Doctorate
Public	5	4	42	12	46	30	2	8
Private			6	18	80	22	10	
For-Profit	2		19		54	20	5	5

Finance & Insurance Credentials Available by Program



Finance & Insurance Credentials by Program and Type

	Certificate	Transfer	Associate	Minor	Bachelor	Master	Grad. Cert.	Doctorate
Accounting			17	3	28	13	3	2
Actuarial Science					6			
Administration	1							
Business Administration	2		22	8	35	26	3	3
Economics		4	2	7	15			1
Entrepreneurship	1		2	2	18	2	1	1
Finance				4	25	4	3	2
International Business	1			3	9	4		
Management	2		24	1	35	19	6	2
Marketing				2	3	2	1	
Mathematics				5	6	2		1
Organizational Leader					1			
Statistics					2			

Finance & Insurance Programs by Institution

		Accounting	Actuarial Science	Administration	Business Administration	Economics	Entrepreneurship	Finance	International Business	Management	Marketing	Mathematics	Organizational Leader	Statistics
PUBLIC	JCCC	●			●	●	●			●				
	KCKCC	●		●	●	●								
	K-State Univ.	●			●●●	●●	●	●		●				
	MCC Blue River	●			●	●				●				
	MCC BTC	●			●					●				
	MCC Longview	●				●				●				
	MCC Maple Woods	●			●	●				●				
	MCC Penn Valley	●			●	●				●				
	MUS&T				●●	●				●●				
	Pitt State Univ.	●●	●			●		●●	●●	●	●●	●●		
	Univ. of Central Mo.	●●	●		●●	●	●	●				●		
	Univ. of Kansas	●●●			●●●●	●	●	●●	●●	●●●				
	Univ. of Mo.-Columbia	●●●			●●●●	●		●●	●	●●	●			
	UMKC	●●			●●●●	●●●	●●	●●	●	●		●●●		●
PRIVATE	Avila Univ.	●●			●●	●		●●	●	●●●				
	Baker Univ.	●				●			●	●●●	●	●		
	Benedictine Coll.	●●			●●	●●	●	●●	●	●		●●		
	Donnelly Coll.	●			●●								●	
	MidAm. Nazarene	●			●●									
	Ottawa Univ.	●	●		●●	●	●	●●		●●				
	Park Univ.	●●			●●●●	●●		●●		●●				
	Rockhurst Univ.	●			●●	●		●		●				
	Univ. of Saint Mary	●	●		●●							●		
	Webster Univ.	●				●●		●●●	●●●	●●●	●●●	●●		
	William Jewell Coll.	●			●●	●●	●					●		
Wright Career Coll.	●●			●●		●								
FOR-PROFIT	Brown Mackie Coll.				●					●				
	DeVry Univ.	●●●●			●●		●●	●●		●				
	Grantham Univ.	●			●●●		●	●		●●●				
	ITT Tech-KC									●				
	Nat'l American-Online	●			●					●				
	Nat'l American-IND	●			●●		●	●		●●				
	Nat'l American-LS	●			●●		●	●		●●				
	Nat'l American-OP	●			●●		●	●		●●				
	Nat'l American-ZR				●●		●			●●				
	Univ. of Phoenix-KC	●●●			●●●●		●	●	●●	●●●				
Vatterott Coll.									●					

● Certificate ● Transfer ● Associate ● Minor ● Bachelor ● Master ● Grad. Cert. ● Doctorate



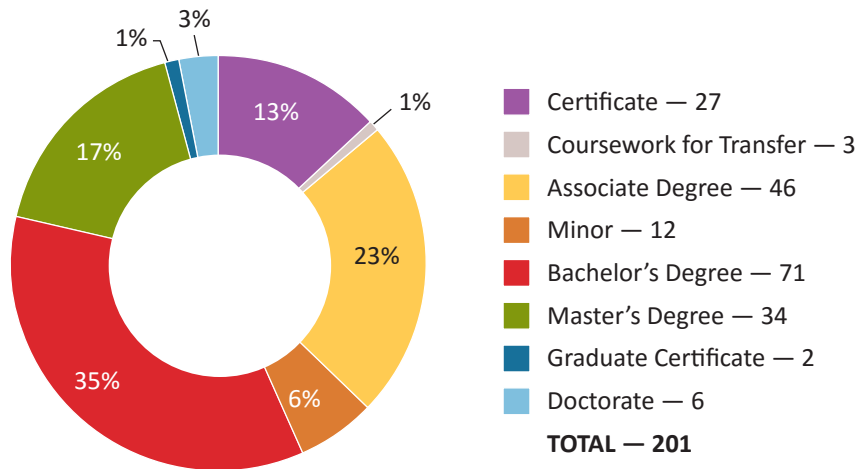
Advanced Manufacturing

Educational Asset Inventory

Key Observations on Educational Opportunities

- Strong pathways exist within public institutions, with varied programs and credential offerings.
- Significant pathway progressions are available across credential levels — from certificate to associate to bachelor’s degrees.
- Programs focus on electrical and industrial technologies, with more limited availability of credentials in niche areas such as aviation, aerospace and avionics.
- There are limited numbers of programs supporting key entry-level skill sets such as CAD, building trades, multicraft and millwright skills.

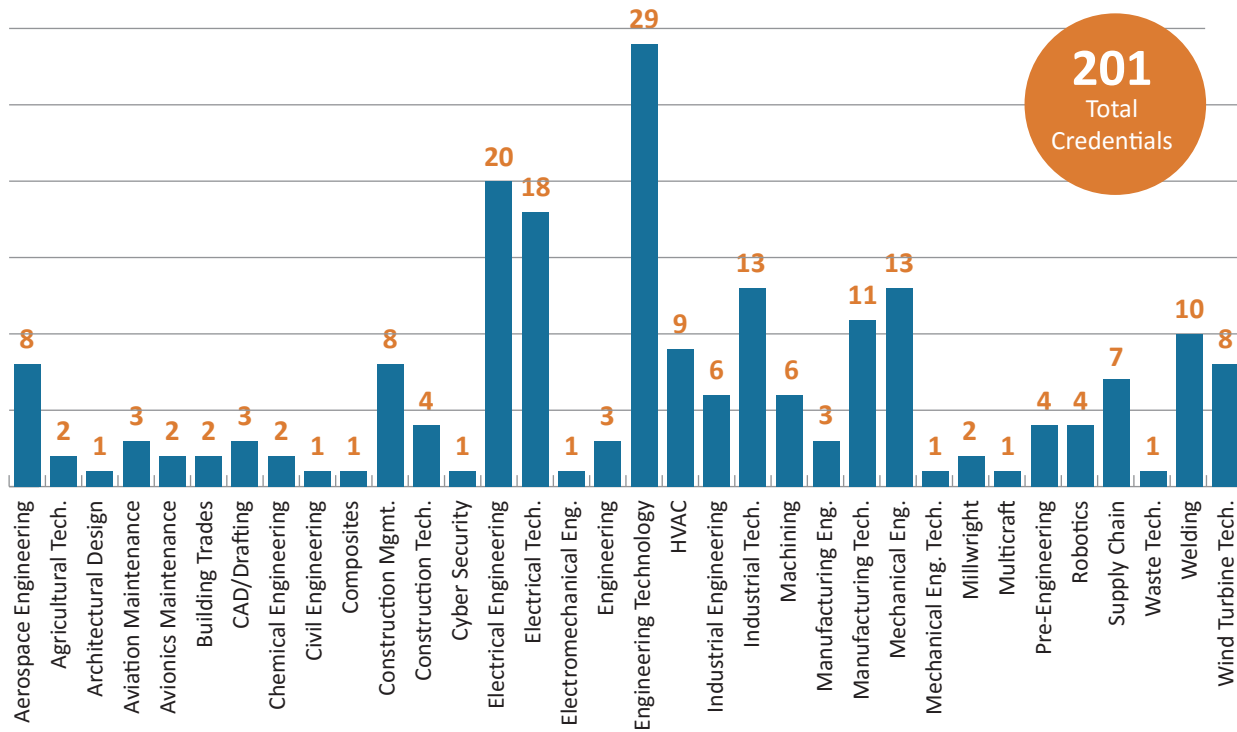
Credentials Available by Type



Credentials Available by Institution Type

	Certificate	Transfer	Associate	Minor	Bachelor	Master	Grad. Cert.	Doctorate
Public	21	2	31	12	53	32	2	6
Private		1	2		12	1		
For-Profit	6		13		6	1		

Advanced Manufacturing Credentials Available by Program



Advanced Manufacturing Credentials by Program and Type

	Certificate	Transfer	Associate	Minor	Bachelor	Master	Grad. Cert.	Doctorate
Aerospace Engineering					2	3		3
Agricultural Tech.				1	1			
Architectural Design			1					
Aviation Maintenance			1		1	1		
Avionics Maintenance	2							
Building Trades	1	1						
CAD/Drafting			2		1			
Chemical Engineering					2			
Civil Engineering					1			
Composites	1							
Construction Mgmt.				1	6	1		
Construction Tech.				2	2			
Cyber Security						1		
Electrical Engineering			2		8	8		2
Electrical Tech.	3		10	1	4			
Electromechanical Eng.					1			
Engineering				1	2			
Engineering Tech.			5	2	16	6		
HVAC	6		3					
Industrial Eng.					1	4		1
Industrial Tech.	4		6		2	1		
Machining	3		3					
Manufacturing Eng.						3		
Manufacturing Tech.			1	3	7			
Mechanical Eng.			2		7	4		
Mechanical Eng. Tech.				1				
Millwright	1		1					
Multicraft			1					
Pre-Engineering		1	1		2			
Robotics	1		1		2			
Supply Chain					3	2	2	
Waste Tech.			1					
Welding	5	1	4					
Wind Turbine Tech.	6		2					

Advanced Manufacturing Programs by Institution

		Aerospace Engineering	Agricultural Technology	Architectural Design	Aviation Maintenance	Avionics Maintenance	Building Trades	CAD/Drafting	Chemical Engineering	Civil Engineering	Composites	Construction Management	Construction Technology	Cyber Security	Electrical Engineering	Electrical Technology	Electromechanical Engineering	Engineering	Engineering Technology
PUBLIC	JCCC															●			
	KCKCC															●			●
	K-State Univ.		● ●		●	●					●				●	●			● ● ●
	Lex La-Ray Tech.						● ●												
	MCC BTC							●									●		●
	Pitt State Univ.											● ● ●	● ● ●			● ● ●			● ● ●
	MUS&T																		● ● ●
	Univ. of Central Mo.				● ●			●									●		●
	Univ. of Kansas	● ● ●													● ● ●			●	
	Univ. of Mo.-Columbia	● ●							●						● ● ●	● ●			●
UMKC														● ●					
PRIVATE	Baker Univ.																	●	
	Benedictine Coll.							●	●						●				●
	Donnelly Coll.			●															●
	Ottawa Univ.																	●	
	Park Univ.																		●
	Rockhurst Univ.															●			
	Univ. of Saint Mary																		
	Webster Univ.													●					
	William Jewell Coll.																		
FOR-PROFIT	DeVry Univ.														● ●				
	Grantham Univ.															● ●			● ●
	ITT Tech-KC														● ●				
	ITT Tech-OP														●				
	Pinnacle-South KC															● ●			
	Pinnacle North KC																		
	Univ. of Phoenix-KC																		
	Vatterott Coll.															●			

● Certificate
 ● Transfer
 ● Associate
 ● Minor
 ● Bachelor
 ● Master
 ● Grad. Cert.
 ● Doctorate

Advanced Manufacturing Programs by Institution | *continued from previous page*

		HVAC	Industrial Engineering	Industrial Technology	Machining	Manufacturing Engineering	Manufacturing Technology	Mechanical Engineering	Mechanical Engineering Technology	Millwright	Multicraft	Pre-Engineering	Robotics	Supply Chain	Waste Technology	Welding	Wind Turbine Technology
PUBLIC	JCCC	●														●	
	KCKCC	●		●	●							●			●	●	
	K-State Univ.			●			●●	●●									
	Lex La-Ray Tech.															●●	
	MCC BTC	●●		●●	●●			●		●●	●		●●			●●	
	MUS&T			●		●								●			
	Pitt State Univ.						●●		●								
	Univ. of Central Mo.			●●				●					●				
	Univ. of Kansas							●						●●			
	Univ. of Mo.-Columbia		●●					●						●●			
	UMKC							●						●			
PRIVATE	Baker Univ.																
	Benedictine Coll.							●									
	Donnelly Coll.																
	Ottawa Univ.																
	Park Univ.											●					
	Rockhurst Univ.							●									
	Univ. of Saint Mary																
	Webster Univ.																
	William Jewell Coll.											●					
FOR-PROFIT	DeVry Univ.																
	Grantham Univ.																
	ITT Tech-KC			●													
	ITT Tech-OP			●													
	Pinnacle-South KC	●●														●●	
	Pinnacle North KC	●														●	
	Univ. of Phoenix-KC													●			
	Vatterott Coll.	●		●												●	

● Certificate ● Transfer ● Associate ● Minor ● Bachelor ● Master ● Grad. Cert. ● Doctorate



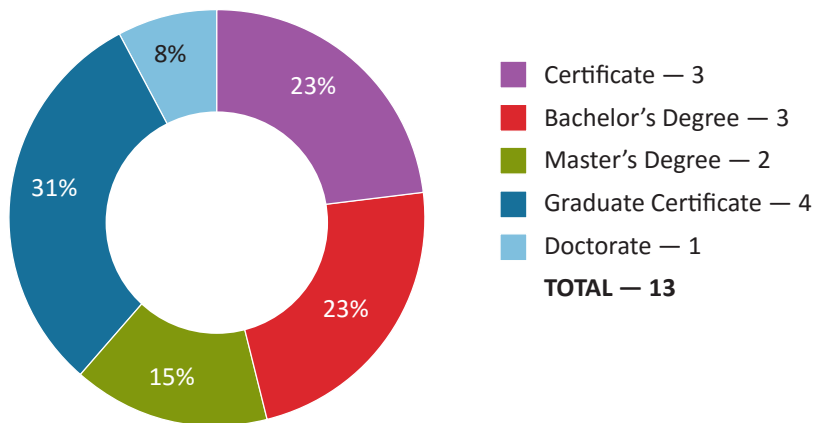
Telecommunications & Mobile

Educational Asset Inventory

Key Observations on Educational Opportunities

- Telecommunications-specific programs are available at the certificate through graduate level.
- There is a significant presence of public-system programs in the region.
- There is a notable absence of mobile-specific programs in the Kansas City area, although they are available in other parts of the nation.

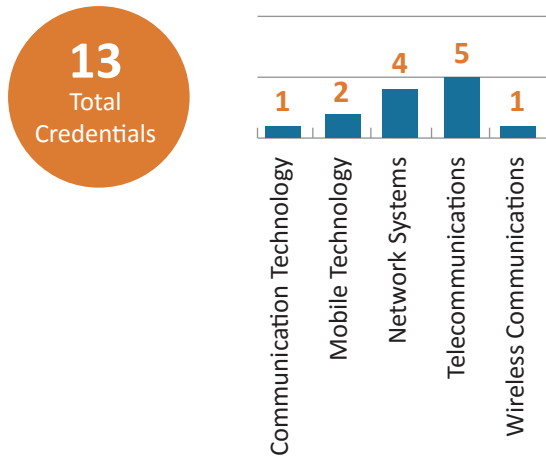
Credentials Available by Type



Credentials Available by Institution Type

	Certificate	Associate	Minor	Bachelor	Master	Grad. Cert.	Doctorate
Public Institutions	3			2	1	2	1
Private Institutions							
For-Profit Institutions				1	1	2	

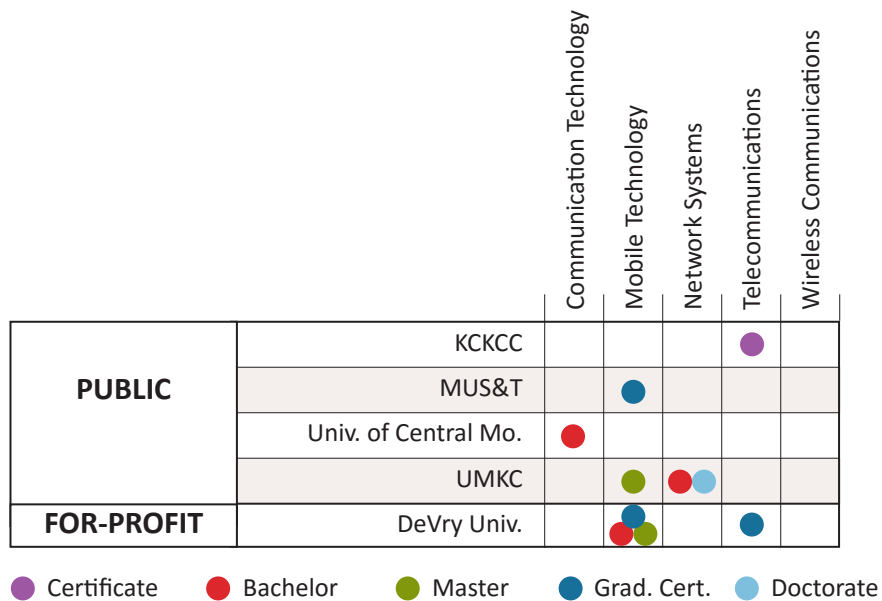
Telecom & Mobile Credentials Available by Program



Telecom & Mobile Credentials by Program and Type

	Certificate	Associate	Minor	Bachelor	Master	Grad. Cert.	Doctorate
Communication Technology				1			
Mobile Technology						2	
Network Systems				1	2	1	
Telecommunications	3			1			1
Wireless Communications						1	

Telecom & Mobile Programs by Institution





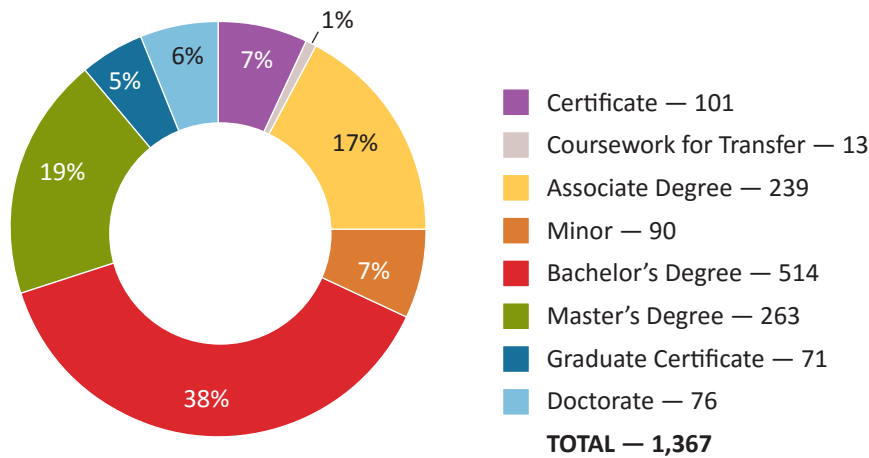
Combined Inventory Results

All Five Industry Sectors






Key Observations on Educational Opportunities

- The region needs more entry points for pathways in Architecture and Engineering. Current offerings do not provide good stepping stones to bachelor’s and master’s degree programs.
- The sectors with the most credentials available are Finance and Insurance (largely due to the abundance of business programs) and Information Technology.
- Very few programs are available to support the Telecommunications and Mobile sector. In particular, no programs exist for mobile apps — an identified growth sector.
- There is strong program availability across all sectors at public institutions, which are typically more affordable than private and for-profit schools.
- A high volume of programs are offered at for-profit institutions in the Information Technology and Finance and Insurance sectors. A more equal distribution across public, private and for-profit institutions is generally recommended.

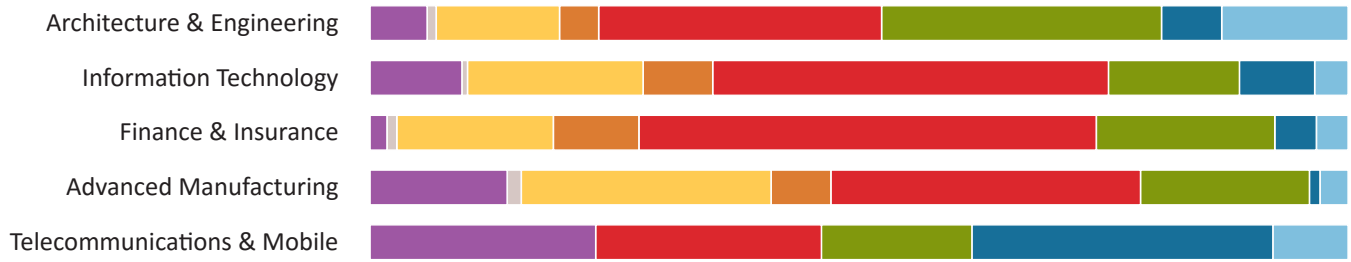
Credentials Available by Type








Credentials Available by Sector by Institution Type

	 Architecture & Engineering	 Information Technology	 Finance & Insurance	 Advanced Manufacturing	 Telecom & Mobile
Public	279	186	166	213	9
Private	18	61	132	15	0
For-Profit	28	104	102	50	4

Percentage of Credentials Available by Type by Sector








Credentials Available by Type, Sector and Institution

						
	Architecture & Engineering	Information Technology	Finance & Insurance	Advanced Manufacturing	Telecom & Mobile	
PUBLIC	JCCC	4	7	6	7	
	KCKCC	3 3	11 12	1 5	8 6	3
	K-State Univ.	1 3 1 13 3	5 1 10	1 2 7	4 8 4 21 3	
	Lex La-Ray Tech.	2 2	1 1		3 3	
	MCC Blue River	1	1 2	1 6	1	
	MCC BTC	3 10	1 3	6	9 24	
	MCC Longview	1	1 2	1 6		
	MCC Maple Woods	1	1 2	1 6		
	MCC Penn Valley	1	1 3	1 6		
	MUS&T	15 31 19 24	4 10 19 5	3 3 2	3 1	2
	Pitt State University	1 6 16 7	3 11 5	10 14	1 7 17 7	
	Univ. of Central Mo.	9 1	16 3 2	8 3	8 2	1
	Univ. of Kansas	8 28 9	5 3 1	3 1 7 9 2	8 10 1 3	
	Univ. of Mo.-Columbia	6 12 15 8	7 5 2	1 1 7 4 5	6 9 13 4	
	UMKC	2 2 6 1 1	1 7 7 3	3 8 12 4	2 1 7 1 1	1 1 1
PRIVATE	Avila Univ.		6	1 7 3 4		
	Baker Univ.	1	3 1	5 1 2	1	
	Benedictine Coll.	5	1 1	6 7	5	
	Donnelly Coll.	2	2 1 1	2 1 1	2	
	KC Art Institute		2			
	Mid-Am Nazarene Univ.		2 1	1 3		
	Ottawa Univ.	1		23 4	1	
	Park Univ.	1 1 1	1 5 1	3 8 1 4	1	
	Rockhurst Univ.	3	2	7 2	2	
	Univ. of St. Mary	1	1	4 1	1	
	Webster Univ.	1	13 14 3	6 10 10	1	
	William Jewell Coll.	1		3 4	1	
	Wright Career Coll.		3 1	3 2		

● Certificate
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 ● Master
 ● Grad. Cert.
 ● Doctorate

Credentials Available by Type, Sector and Institution | *continued from previous page*

	 Architecture & Engineering	 Information Technology	 Finance & Insurance	 Advanced Manufacturing	 Telecom & Mobile
FOR-PROFIT	Brown Mackie Coll.	1 1		1 2	
	DeVry Univ.	2 1	2 9 3 5	1 9 3 5	3 2 1 1 2
	Grantham Univ.	2 2	3 1 4 3	2 2 4 4	4 5
	ITT Tech-KC	2 1		1	4 2
	ITT Tech-OP	3 1	2 3		5 1
	Nat'l American-Online			6	
	Nat'l American-IND		3 3 5	2 5	
	Nat'l American-LS		3 3 5	2 5	
	Nat'l American-OP		3 3 3	2 5	
	Nat'l American-ZR		3 1 2	2 2	
	Pinnacle-Online	2 2			2 2
	Pinnacle-North KC	2			4
	Pinnacle-South KC	3 1			4 2
	Univ. of Phoenix-KC		9 15 4 1	5 22 7 2	2
	Vatterott Coll.	2	1 1 1	1	4

● Certificate
 ● Transfer
 ● Associate
 ● Minor
 ● Bachelor
 ● Master
 ● Grad. Cert.
 ● Doctorate



Next Steps

The Educational Asset Inventory is intended to advance conversations between industry and education in support of workforce development in Greater Kansas City.

To make full use of the inventory, GradForce KC partners have committed to the following next steps:

- Oversee annual updates to the Educational Asset Inventory to incorporate changes in available credentials and programs at area educational institutions.
- Evaluate other industry sectors that are important to the regional economy for inclusion in future asset inventories. Partners have already identified logistics and life sciences as sectors that should be analyzed in the next update.
- Implement a regional system to better connect industry and education, using a pipeline strategy that provides opportunities for experiential learning and career pathway mapping.
- Use the inventory to identify gaps between available credentials and employer needs. For example, the inventory has already been used to identify a lack of postsecondary programs in cybersecurity — a skill in great demand by multiple industry sectors. As a result, two area institutions have committed to adding degree programs in this field in the next academic year.

QUESTIONS FOR EMPLOYERS:

Does the current mix of postsecondary programs meet your needs for talent? If not, what is missing?

Are there any skills or credentials that are being overproduced compared to current demand?

What niche training or skill sets do you need in your pipeline?

What national programs do you look to for recruitment? Could those pipelines be created locally?

QUESTIONS FOR EDUCATORS:

How do you determine when to add new programs or take others offline? Does business input help drive these decisions?

Do your current programs in growth occupations and sectors have the classroom capacity to meet industry pipeline needs?

How quickly can you adapt to emerging industry needs?

What are you doing to accommodate employed students? Do you offer classes online or outside of normal work hours?



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