Manufacturing

Baseline Supply Analysis: Ranking of Programs and Schools Report

Ranked Manufacturing Top Programs with 100+ Total Completers, with Ranked Schools by Completers,
all other programs with 1 completer or more included by Pathway at end of report (2009)

Rank	Pathway CIP Code	CIP Title	Degree Type	Certs/ Degrees	1-2 Yr Cert Programs	1-2 Yr Cert Completers	Assoc Programs	Assoc Completers	Bach Programs	Bach Completers	Post Bach Programs	Post Bach Completers	Total Programs	Total Completers
1		Logistics Pathway												
	520201	Business Administration and Management, General			16		41		48		52		157	
						674		6022		5513		7891		20100
		American InterContinental University Online	3	5005										
		American InterContinental University Online	5	1936										
		University of Chicago	7	1285										
		American InterContinental University Online	7	997										
		DeVry University-Illinois	7	959										
		Robert Morris University-Illinois	5	753										
		DePaul University	7	607										
		DeVry University-Illinois	5	468										
		Robert Morris University-Illinois	2	407										
		Robert Morris University-Illinois	3	407										
		U of I at Chicago	7	391										
		Northwestern University	7	383										
		Southern Illinois University Edwardsville	5	262										
		U of I at Urbana/Champaign	7	253										
		Lake Forest Graduate School of Mgmt.	7	246										
		Loyola University of Chicago	7	233										
		Benedictine University	7	212										
		Northern Illinois University	7	207										
		Roosevelt University	7	202										
		U of I at Urbana/Champaign	5	143										
		Columbia College (MO)	5	142										
		Robert Morris University-Illinois	7	141										
		Illinois State University	5	133										
		Southern Illinois University Edwardsville	7	111										
		Augustana College	5	108										
		Chicago State University	5	104										
		University of Phoenix (AZ)	7	104										
		Northern Illinois University	5	101										
		National-Louis University	7	98										
		Lake Land College	2	97										
		Governors State University	5	92										
		North Park University	7	92										
		Benedictine University	3	90										
		U of I Springfield	5	88										

Rank	Pathway CIP Code	CIP Title	Degree Type	Certs/ Degrees	1-2 Yr Cert Programs	1-2 Yr Cert Completers	Assoc Programs	Assoc Completers	Bach Programs	Bach Completers	Post Bach Programs	Post Bach Completers	Total Programs	Total Completers
		Lewis University	5	87										
		Bradley University	7	87										
		Dominican University	7	87										
		Southern Illinois University Carbondale	7	86										
		Illinois State University	7	84										
		North Park University	5	78										
		DePaul University	5	74										
		Western Illinois University	5	74										
		McKendree University	5	73										
		Lewis University	7	70										
		Aurora University	7	68										
		St. Xavier University	5	67										
		Colorado Technical University (CO)	5	66										
		North Central College	7	63										
		Northeastern Illinois University	5	62										
		Sanford-Brown College	3	61										
		Lindenwood University (MO)	5	58										
		Illinois Institute of Technology	7	57										
		McKendree University	7	57										
		Lindenwood University (MO)	7	55										
		University of Notre Dame (IN)	7	55										
		University of St. Francis	7	51										
		Governors State University	7	50										
		High Schools (27): 1-35 grads		(192)										
2		Logistics Pathway												
	520299	Business Administration, Management and Operations, Other			4		20		9		33			
						46		1937		340		2323		
		DeVry University-Illinois	5	1209										
		University of Phoenix (AZ)	5	190										
		DeVry University-Illinois	7	181										
		Northwestern University	7	154										
		Mid-Continent University (KY)	5	96										
		Olivet Nazarene University	5	59										
		Benedictine University	5	52										
		Millikin University	5	51										
3		Mfg. Production Process Development Pathway												
	110701	Computer Science			1		40		25		66			
						1		634		1002		1637		
		Illinois Institute of Technology	7	182										
		U of I at Urbana/Champaign	5	147										
		DePaul University	7	119										
		Northern Illinois University	7	114										
		U of I Springfield	7	111										

Rank	CIP Code	CIP Title	Degree Type	Certs/ Degrees	1-2 Yr Cert Programs	1-2 Yr Cert Completers	Assoc Programs	Assoc Completers	Bach Programs	Bach Completers	Post Bach Programs	Post Bach Completers	Total Programs	Total Completers
		Governors State University	7	106										
		U of I at Chicago	7	81										
		Northeastern Illinois University	5	60										
		U of I Springfield	5	56										
		U of I at Urbana/Champaign	7	55										
		Northern Illinois University	5	51										
4		Mfg. Production Process Development Pathway												
	141001	Electrical, Electronics and Communications Engineering							8	441	10	675	18	1116
		Illinois Institute of Technology	7	181										
		U of I at Urbana/Champaign	5	167										
		Southern Illinois University Carbondale	7	123										
		U of I at Urbana/Champaign	7	98										
		U of I at Chicago	5	67										
		U of I at Urbana/Champaign	17	56										
		Illinois Institute of Technology	5	52										
5		Mfg. Production Process Development Pathway												
	110103	Information Technology			21	95	14	632	4	276			39	1003
		American InterContinental University Online	5	413										
		American InterContinental University Online	7	127										
		Illinois Institute of Technology	7	106										
		Robert Morris University-Illinois	5	98										
6		Mfg. Production Process Development Pathway												
	400501	Chemistry, General					46	555	23	280			69	835
		U of I at Urbana/Champaign	5	115										
		U of I at Urbana/Champaign	17	50										
7		Mfg. Production Process Development Pathway												
	141901	Mechanical Engineering							8	567	12	250	20	817
		U of I at Urbana/Champaign	5	200										
		U of I at Chicago	5	87										
		Illinois Institute of Technology	7	65										
		Northern Illinois University	5	60										
		Northwestern University	5	50										

Rank	CIP Code	CIP Title	Degree Type	Certs/ Degrees	1-2 Yr Cert Programs	1-2 Yr Cert Completers	Assoc Programs	Assoc Completers	Bach Programs	Bach Completers	Post Bach Programs	Post Bach Completers	Total Programs	Total Completers
8		Mfg. Production Process Development Pathway												
	140801	Civil Engineering, General							7		9		16	
										333		191		524
		U of I at Urbana/Champaign	5	115										
		U of I at Urbana/Champaign	7	74										
		U of I at Chicago	5	52										
9		Mfg. Production Process Development Pathway												
	110401	Information Science/Studies			10		6		15		5		36	
						19		38		163		297		517
		DePaul University	7	222										
		Southern Illinois University Carbondale	5	72										
		Northwestern University	7	56										
10		Logistics Pathway												
	440401	Public Administration							4		16		20	
										4		484		488
		Illinois Institute of Technology	7	110										
		DePaul University	7	82										
		U of I Springfield	7	57										
		Governors State University	7	56										
		U of I at Chicago	7	34										
		Roosevelt University	7	32										
		Southern Illinois University Edwardsville	7	27										
		Northern Illinois University	7	25										
		Northwestern University	7	19										
		Southern Illinois University Carbondale	7	15										
		Loyola University of Chicago	17	11										
		University of Chicago	17	11										
11		Mfg. Production Process Development Pathway												
	150612	Industrial Technology/Technician			2		5		4		3		14	
						2		20		303		133		458
		Illinois State University	5	127										
		Eastern Illinois University	7	71										
		Eastern Illinois University	5	33										
		Illinois Institute of Technology	7	33										
		Illinois State University	7	29										
12		Mfg. Production Process Development Pathway												
	040201	Architecture (BArch, BA/BS, MArch, MA/MS, PhD)							3		9		12	
										168		230		398
		Illinois Institute of Technology	5	100										
		U of I at Urbana/Champaign	7	83										
		Illinois Institute of Technology	7	79										

Rank	CIP Code	CIP Title	Degree Type	Certs/ Degrees	1-2 Yr Cert Programs	1-2 Yr Cert Completers	Assoc Programs	Assoc Completers	Bach Programs	Bach Completers	Post Bach Programs	Post Bach Completers	Total Programs	Total Completers
		Southern Illinois University Carbondale	5	44										
		U of I at Chicago	7	30										
		Judson University	5	24										
		Judson University	7	12										
		School of the Art Inst. Chicago	7	11										
13		Mfg. Production Process Development Pathway												
	150303	Electrical/ Electronic/Communications Engineering Technology/Techn			10	76	29	300					39	376
		DeVry University-Illinois	3	64										
		ITT Tech. Inst. - Orland Park	3	38										
		ITT Tech. Inst. - Oak Brook	3	36										
		ITT Tech. Inst. - Mount Prospect	3	35										
		Spoon River College	2	31										
		Rend Lake College	3	29										
		John A. Logan College	2	20										
		William Rainey Harper College	3	16										
14		Production Pathway												
	500409	Graphic Design			4	19	15	98	8	254	1	2	28	373
		Columbia College Chicago	5	81										
		Robert Morris University-Illinois	5	80										
		U of I at Chicago	5	40										
		U of I at Urbana/Champaign	5	25										
		Illinois Central College	3	17										
		International Acad. of Design & Tech.	5	13										
		Elgin Community College	3	12										
		Moraine Valley Community College	3	10										
		Rend Lake College	3	10										
		Lewis & Clark Community College	2	8										
		Illinois Valley Community College	3	8										
		International Acad. of Design & Tech.	3	8										
		Bradley University	5	8										
		John A. Logan College	3	7										
		Judson University	5	7										
		Rend Lake College	2	6										
		High Schools (290): 1-137 grads in 520401		(2366)										
		High Schools (9): 1-8 grads in 520402		(18)										
15		Logistics Pathway												
	520101	Business/Commerce, General			2	0	2	63	11	281	2	20	17	364
		Illinois Wesleyan University	5	70										
		Olivet Nazarene University	3	40										

Rank	CIP Code	Pathway / CIP Title	Degree Type	Certs/ Degrees	1-2 Yr Cert Programs	1-2 Yr Cert Completers	Assoc Programs	Assoc Completers	Bach Programs	Bach Completers	Post Bach Programs	Post Bach Completers	Total Programs	Total Completers
		Roosevelt University	5	40										
		Trinity Christian College	5	40										
		Northeastern Illinois University	5	31										
		Lake Forest College	5	30										
		Trinity International University	5	28										
		Springfield College in Illinois	3	23										
		Kaplan University (IA)	5	18										
		University of Phoenix (AZ)	5	17										
		University of Chicago	17	17										
16		Mfg. Production Process Development Pathway							4		8		12	
	140501	Biomedical/Medical Engineering								153		82		235
		U of I at Chicago	5	42										
		Northwestern University	7	38										
		U of I at Urbana/Champaign	5	25										
		Illinois Institute of Technology	5	20										
		U of I at Chicago	17	12										
		U of I at Chicago	7	11										
		Northwestern University	17	9										
		Illinois Institute of Technology	17	6										
		U of I at Urbana/Champaign	7	5										
17		Logistics Pathway												
	529999	Bus, Management, Marketing, & Related Supt Serv, Other			2				6		2		10	
						1				203		23		227
		Benedictine University	5	189										
		St. Xavier University	7	17										
		Loyola University of Chicago	5	13										
		Eastern Illinois University	6	5										
18		Mfg. Production Process Development Pathway												
	143501	Industrial Engineering							6		8		14	
										144		75		219
		Northwestern University	5	75										
		Northern Illinois University	7	28										
		Northern Illinois University	5	20										
		Northwestern University	7	18										
		U of I at Urbana/Champaign	5	16										
		Bradley University	5	13										
		U of I at Chicago	5	11										
		Southern Illinois University Edwardsville	5	9										
		Bradley University	7	8										
		Northwestern University	17	7										

Rank	CIP Code	CIP Title	Degree Type	Certs/ Degrees	1-2 Yr Cert Programs	1-2 Yr Cert Completers	Assoc Programs	Assoc Completers	Bach Programs	Bach Completers	Post Bach Programs	Post Bach Completers	Total Programs	Total Completers
19		Mfg. Production Process Development Pathway												
	140901	Computer Engineering, General							8		2		10	
										167		18		185
		U of I at Urbana/Champaign	5	91										
		U of I at Chicago	5	22										
		Illinois Institute of Technology	5	20										
		Illinois Institute of Technology	7	17										
		Northwestern University	5	12										
		Southern Illinois University Edwardsville	5	9										
		Southern Illinois University Carbondale	5	7										
		Bradley University	5	6										
20		Logistics Pathway												
	520701	Entrepreneurship/Entrepreneurial Studies			1				5		1		7	
						2				22		157		181
		Northwestern University	7	157										
		U of I at Chicago	5	21										
		Parkland College	2	2										
21		Maintenance, Installation and Repair Pathway												
	470303	Industrial Mechanics and Maintenance Technology			11		13						24	
						49		124						173
		Rend Lake College	3	52										
		CCC - Wilbur Wright College	2	30										
		John A. Logan College	3	22										
		Kaskaskia College	3	18										
		Illinois Eastern - Olney Central	3	12										
		High Schools (2): 4 grads		(4)										
22		Logistics Pathway												
	490104	Aviation/Airway Management and Operations			1				5				6	
						1				168				169
		Southern Illinois University Carbondale	5	129										
		Lewis University	5	38										
		Lincoln Land Community College	3	1										
		Quincy University	5	1										
23	520409	Parts, Warehousing, and Inventory Management Operations					5						5	
								165						165
		Black Hawk College	3	40										
		Illinois Valley Community College	3	54										
		Lake Land College	3	50										
		Southwestern Illinois College	3	18										
		William Rainey Harper College	3	3										

Rank	CIP Code	CIP Title	Degree Type	Certs/ Degrees	1-2 Yr Cert Programs	1-2 Yr Cert Completers	Assoc Programs	Assoc Completers	Bach Programs	Bach Completers	Post Bach Programs	Post Bach Completers	Total Programs	Total Completers
24		Logistics Pathway												
	520205	Operations Management and Supervision			4	19	4	42	5	84	1	15	14	160
		Northern Illinois University	5	49										
		Joliet Junior College	3	25										
		Governors State University	5	16										
		Loyola University of Chicago	5	15										
		Northwestern University	7	15										
		Joliet Junior College	2	8										
		McHenry County College	2	8										
		McHenry County College	3	8										
		Oakton Community College	3	7										
25		Mfg. Production Process Development Pathway							2	129	2	3	4	159
	140101	Engineering, General												
		U of I at Urbana/Champaign	5	122										
		U of I at Chicago	7	25										
		Olivet Nazarene University	5	7										
		U of I at Urbana/Champaign	7	4										
26		Mfg. Production Process Development Pathway							1	9	3	129	4	138
	151501	Engineering/Industrial Management												
		Northwestern University	7	89										
		Northern Illinois University	7	21										
		U of I at Urbana/Champaign	7	19										
		Illinois Institute of Technology	5	9										
27		Mfg. Production Process Development Pathway							2	115	2	22	4	137
	140201	Aerospace, Aeronautical and Astronautical Engineering												
		U of I at Urbana/Champaign	5	87										
		Illinois Institute of Technology	5	28										
		U of I at Urbana/Champaign	7	20										
		U of I at Urbana/Champaign	17	2										
28		Mfg. Production Process Development Pathway												
	110101	Computer and Information Sciences, General			1	5	3	22	9	45	3	61	16	133
		Western Illinois University	7	34										
		Knowledge Systems Institute	7	20										
		Western Illinois University	5	17										
		St. Augustine College	3	12										
		East-West University	5	12										

Rank	Pathway CIP Code	CIP Title	Degree Type	Certs/ Degrees	1-2 Yr Cert Programs	1-2 Yr Cert Completers	Assoc Programs	Assoc Completers	Bach Programs	Bach Completers	Post Bach Programs	Post Bach Completers	Total Programs	Total Completers
		Midstate College	3	9										
		DePaul University	7	7										
		Loyola University of Chicago	5	6										
		St. Augustine College	2	5										
29		Mfg. Production Process Development Pathway												
	260202	Biochemistry							2		2		4	
										124		6		130
		U of I at Chicago	5	40										
		U of I at Urbana/Champaign	5	31										
		Illinois State University	5	16										
		Illinois Institute of Technology	5	9										
		Knox College	5	8										
		U of I at Urbana/Champaign	7	6										
		North Central College	5	5										
		Augustana College	5	4										
		Bradley University	5	4										
		Rockford College	5	4										
30		Logistics Pathway												
	520206	Non-Profit/Public/Organizational Management							1		5		6	
										3		108		111
		DeVry University-Illinois	7	85										
		North Park University	7	19										
		St. Xavier University	7	4										
		North Park University	5	3										
31		Mfg. Production Process Development Pathway												
	521804	Selling Skills and Sales Operations			4		15		1				20	
						8		87		9				104
		John A. Logan College	3	15										
		Joliet Junior College	3	13										
		Bradley University	5	9										
		William Rainey Harper College	3	8										
		College of Lake County	3	7										
		Southwestern Illinois College	3	7										
		Carl Sandburg College	3	6										
		Lake Land College	3	6										
		Illinois Eastern - Wabash Valley	2	5										
		Danville Area Community College	3	5										
		Illinois Valley Community College	3	5										
		Parkland College	3	4										
		Sauk Valley Community College	3	4										
		High Schools (180): 1-72 grads in 521801		(1177)										

Rank	CIP Code	CIP Title	Degree Type	Certs/ Degrees	1-2 Yr Cert Programs	1-2 Yr Cert Completers	Assoc Programs	Assoc Completers	Bach Programs	Bach Completers	Post Bach Programs	Post Bach Completers	Total Programs	Total Completers
32		Mfg. Production Process Development Pathway			3		9		2		2		16	
	150613	Manufacturing Technology/Technician				4		44		29		23		100

		Degree Type	Certs/ Degrees
	Western Illinois University	5	25
	Rock Valley College	3	21
	Western Illinois University	7	13
	Southern Illinois University Carbondale	7	10
	Lewis & Clark Community College	3	5
	High Schools (32): 1-11 grads		(438)

Degree Type Codes:
- 2 - One to Two Year Certificate
- 3 - Associate
- 5 - Bachelor
- 6 - Post Bachelor
- 7 - Masters
- 8 - Post Masters
- 17 - Doctoral Research
- 18 - Doctor of Professional Practice
- 19 - Doctoral, Other

All other programs with 1 completer or more included by Pathway:

CIP Code	CIP Title	1-2 Yr Cert Programs	1-2 Yr Cert Completers	Assoc Programs	Assoc Completers	Bach Programs	Bach Completers	Post Bach Programs	Post Bach Completers
	Production Pathway								
470103	Communications Systems Installation & Repair Technology	1	11	1	1				
470105	Industrial Electronics Technology/Technician	4	12	5	31				
470603	Autobody/Collision & Repair Technology/Technician	9	30	8	37				
150403	Electromechanical Tech/Electromechanical Eng Tech			1	6				
150405	Robotics Technology/Technician			2	3				
480503	Machine Shop Technology/Assistant	1	3	1	2				
190505	Foodservice Systems Administration/Management							1	3
480501	Machine Tool Technology/Machinist	9	48	2	3				
480506	Sheet Metal Technology/Sheetworking	3	15						
480507	Tool and Die Technology/Technician	1	1	1	3				
480508	Welding Technology/Welder	10	37	4	13				
100301	Graphic Communications, General	1	1	1	5				
100303	Prepress/Desktop Publishing and Digital Imaging Design	4	14	3	22				
100305	Graphic and Printing Equipment Operator, General Production	1	3	3	10				
100306	Platemaker/Imager	2	2	2	13				
480703	Cabinetmaking and Millwork/Millwright	1	6						

	1-2 Yr Cert Programs	1-2 Yr Cert Completers	Assoc Programs	Assoc Completers	Bach Programs	Bach Completers	Post Bach Programs	Post Bach Completers
Production Process Development Pathway					1	9		
140301 Agricultural/Biological Engineering and Bioengineering					1	17	3	21
140401 Architectural Engineering					1	14	1	5
140803 Structural Engineering							1	15
140804 Transportation and Highway Engineering							1	5
140902 Computer Hardware Engineering							1	2
141101 Engineering Mechanics					1	13	4	11
141201 Engineering Physics					2	23		
141301 Engineering Science					3	3		
141401 Environmental/Environmental Health Engineering					1	9	4	26
141801 Materials Engineering					2	24	6	42
142101 Mining and Mineral Engineering					1	6	1	1
142301 Nuclear Engineering					1	19	2	7
142501 Petroleum Engineering							1	2
142701 Systems Engineering							2	7
143101 Materials Science					2	37	2	34
143301 Construction Engineering					1	28		
143601 Manufacturing Engineering					3	22	3	7
149999 Engineering, Other					7	10	2	38
261103 Bioinformatics					1	5	3	11
512706 Medical Informatics							1	20
110301 Data Processing and Data Processing Technology/Technician			2	6				
119999 Computer and Information Sciences and Support Services, Other	1	0	3	17	3	7	2	22
521299 Management Information Systems and Services, Other					2	9	1	0
151301 Drafting and Design Technology/Technician, General	1	14	1	11				
151201 Computer Engineering Technology/Technician					1	32		
151202 Computer Technology/Computer Systems Technology	2	2	3	21				
159999 Engineering Technologies/Technicians, Other							2	28
150503 Energy Management and Systems Technology/Technician					1	1		
150901 Mining Technology/Technician			2	13				
011001 Food Science					2	80	2	18
011002 Food Technology and Processing							1	12
260203 Biophysics							2	14
260205 Molecular Biochemistry							6	24
260210 Biochemistry/Biophysics and Molecular Biology					2	14	4	10
260499 Cell/Cellular Biology and Anatomical Sciences, Other							2	33
400502 Analytical Chemistry							2	30
400508 Chemical Physics							1	2
400599 Chemistry, Other					3	20	1	1
419999 Science Technologies/Technicians, Other							1	2
150404 Instrumentation Technology/Technician	1	4	1	2				

	1-2 Yr Cert Programs	1-2 Yr Cert Completers	Assoc Programs	Assoc Completers	Bach Programs	Bach Completers	Post Bach Programs	Post Bach Completers
Maint., Installation and Repair Pathway								
150805 Mechanical Engineering/Mechanical Technology/Technician	2	1	8	18			1	9
470103 Communications Systems Installation and Repair Technology	2	11	1	1				
470104 Computer Installation and Repair Technology/Technician	4	8	2	20				
470105 Industrial Electronics Technology/Technician	4	14	5	31				
150401 Biomedical Technology/Technician			2	3	1	8	1	2
Logistics Pathway								
520203 Logistics and Materials Management					3	44	1	17
520703 Small Business Administration/Management	2	4	5	13	2	26		

Sources: 2009 Enrollments/ Degrees Database - Illinois Board of Higher Education
2009 Graduating Concentrators Database - Illinois State Board of Education. Concentrators are defined as students enrolling in two or more training-level courses within a program sequence.

Coverage: All institutions of higher education including public universities, community colleges, independent not-for-profit institutions, independent for-profit institutions, and out-of-state institutions approved to offer degree programs in Illinois.
ISBE data currently cover only students participating in approved Career and Technical Education programs.

Analysis: Occupations listed in the STEM Profile were crosswalked to their related Classification of Instructional Program (CIP) codes.
This summary includes an unduplicated ranking of programs according to the reported certificates and degrees awarded in 2009.