

# BUILDING A DEFENSE/AEROSPACE CLUSTER ASSET MAPPING

NORTHEAST INDIANA   
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# 1. Executive Summary

The Northeast Indiana Regional Partnership commissioned this Defense Cluster Asset map to provide an inventory of the region's Defense related "assets" as an initial step to formulating a regional strategy to improve the competitive posture of Defense business in Northeast Indiana.

The Northeast Indiana region consists of the following eleven (11) Indiana Counties:

Adams, Allen, Dekalb, Grant, Huntington, Legerange, Noble, Steuben, Wells and Whitley

The asset map report includes two main components:

1. Current regional "metrics" that contribute to the regional Defense business climate, and how this region compares to eight (8) other Metropolitan Statistical Areas (MSA's), including Baltimore MD, Boston MA, Cedar Rapids IA, Indianapolis IN, New York NY, Phoenix AZ, Salt Lake City UT, San Diego CA. The comparative MSA's were selected as areas where our existing Defense business companies compete within their own enterprise, and/or areas which contain Defense businesses in the same sector of Tactical Communications, and Command and Control Systems.
2. Current regional U.S. Department of Defense contract award metrics

In general, the data presented in the following sections reinforces the urgent need to execute the recommendations in the Talent Opportunity Success (TOPS) 2015 proposal with the resources from the Lilly Endowment. Northeast Indiana offers a robust Defense and High Tech business environment, with a competitive tax structure, cost of living, quality of life and a mature, well educated talent pool. However, in contrast to the other MSA's we selected for this report, who also boast many of the same attributes, our MSA lags in competitive Higher Education and Technical School institutions, programs, advanced degrees, capacity (enrollment) and graduation rates.

The data presented in this report is intended to be used as input to the regional Defense Cluster Strategic Plan, which will formulate recommendations for strategic investments to enhance the competitiveness of Northeast Indiana as a place to plant and/or grow a U.S. Defense business.

## 2. Regional Asset Metrics

The Regional asset metric data presented in this report are divided into two (2) categories. The first is Human Capital, and the second is the Business Environment.

Human Capital encompasses:

- MSA population and citizenship metrics - Citizenship metrics were considered relevant due to meet requirements for Dept. of Defense Security clearances.
- Higher Education metrics – ABET accredited Engineering programs
- Tech Schools – Institutions that offer training in specialized trade and skilled-labor markets
- Educational Attainment – The number and level of post-high school degrees
- New Tech High Schools programs – New Tech schools are high schools which have been certified to provide “project based learning” a classroom environment where students have opportunity to apply their science, technology, engineering and math skills to “real world” projects, and interact with area high-tech employers.

The Business Environment encompasses:

- Wages
- Cost of Living Index (COLI)
- Commute times – as it relates to quality of life
- Broadband Communications infrastructure - 3G and 4G wireless communications
- Taxes – including corporate, unemployment, property and individual income

## 2.1. Human Capital

### 2.1.1. MSA Population and Citizenship Metrics

MSA DEMOGRAPHICS					
MSA			2007 MSA Pop (ACS)	Citizenship Data	
2008-09	State of Core City	Counties in MSA (and other areas other than counties as indicated)		(Population not a US citizen / Under 18 Population)	(Population not a US citizen / Total 18 and Over Population)
Cedar Rapids	IO	Benton, Jones, Linn	252,784	0.41%	1.49%
<b>Fort Wayne</b>	<b>IN</b>	<b>Allen, Wells, Whitley</b>	<b>410,149</b>	<b>0.88%</b>	<b>3.17%</b>
Indianapolis-Carmel	IN	Boone, Brown, Hamilton, Hancock, Hendricks, Johnson, Marion, Morgan, Putnam, Shelby	1,697,964	1.64%	4.09%
Baltimore-Towson, MD	MD	Anne Arundel, Baltimore, Carroll, Harford, Howard, Queen Anne's, Baltimore city	2,668,056	1.92%	4.60%
Boston-Cambridge-Quincy, MA-NH	MA	Norfolk, Plymouth, Suffolk, Middlesex, Essex, Rockingham, Strafford	4,482,857	3.46%	9.90%
Salt Lake City	UT	Salt Lake County, Summit, Tooele	1,095,693	3.67%	9.22%
New York-Northern New Jersey-Long Island, NY-NJ-PA	NY	Middlesex, Monmouth, Ocean, Somerset, Nassau, Suffolk, Bergen, Hudson, Passaic, Bronx, Kings, New York, Putnam, Queens, Richmond, Rockland, Westchester, Essex, Hunterdon, Morris, Sussex, Union, Pike	18,815,988	5.04%	16.16%
San Diego-Carlsbad-San Marcos	CA	San Diego	2,974,859	5.50%	14.86%
Phoenix-Mesa-Scottsdale	AZ	Maricopa, Pinal	4,179,427	6.34%	15.21%

**Table 2-1 MSA Population and Citizenship Metrics**

As shown in Figure 2.1.1-1, Fort Wayne ranks 2<sup>nd</sup>, amongst the comparative MSAs in regards to the highest percentage of U.S. citizenship in both categories of children (under age 18) and adults (over age 18). While Fort Wayne does celebrate its ethnic diversity, citizenship is a qualifying requirement for the attainment of a Dept. of Defense security clearance, and is considered a significant strength of this region.

## 2.1.2. MSA Higher Education

Higher Education is a significant component of the regional Defense asset base. Institutions which offer ABET accredited Science and Technology programs for each of the MSA's are provided. The following data is included for each institution:

- Type of Engineering or Technology Program – i.e.: Computer Science, Electrical Engineering, Mechanical Engineering, etc
- The type(s) of degree(s) offered and the number of students who were awarded those degrees in the 2007-2008 academic year – i.e.: Associates (AS), Bachelors (BS), Masters (MS) and Doctorate (PhD)
- Total Enrollment in each program for the 2007-2008 academic year
- Percentage of enrolled students who are United States citizens for the 2007-2008 academic year
- Annual tuition and fees per institution for the 2007-2008 academic year
- Overall Bachelor degree graduation rates (BS completed within 6 years) for each institution

A summary of the Higher Education metrics:

MSA	ABET Accredited Institutions	2007-2008 AS Graduates	2007-2008 BS Graduates	2007-2008 MS Graduates	2007-2008 PhD Graduates	% U.S. Citizenship	Avg. Tuition	Avg 6 yr BS Grad Rates
Fort Wayne, IN	3	0	112	3	0	99%	\$ 17,898	41%
Indianapolis, IN	1	0	148	31	0	98%	\$ 13,885	31%
Phoenix, AZ	2	0	707	302	115	97%	\$ 12,968	45%
Cedar Rapids, IA	0	0	0	0	0	N/A	N/A	N/A
Salt Lake City, UT	1	0	300	107	29	97%	\$ 10,942	56%
New York, NY	31	472	2809	2119	221	95%	\$ 16,551	46%
Boston, MA	13	0	1992	964	309	94%	\$ 27,818	68%
San Diego, CA	4	13	917	278	59	97%	\$ 20,490	74%
Baltimore, MD	6	29	1109	651	135	97%	\$ 22,071	66%

Table 2-1 Higher Education Summary



	ABET INSTITUTIONS BY MSA	ABET Accredited Program (as of 10/08)	(ABET) Degrees awarded 2007-08 (Note: all degrees noted in the ABET field, bold indicates ABET acc. program)				Total Enrollment 2007 (Source: nces.ed.gov)		Undergraduate Non Resident Alien	Tuition and Fee 2008/09 (Source: nces.ed.gov)		Overall Bachelor Graduation Rate (6 yr Source: nces.ed.gov)
			AS	BS	MS	PhD	Undergrad	Grad		Undergrad resident	Undergrad non-resident	
	<b>Fort Wayne</b>											
1	<b>Indiana Institute of Technology</b> <a href="http://www.indianatech.edu/">http://www.indianatech.edu/</a>	Engineering (EAC) Electrical Engineering(BS)[1998] Engineering (EAC) Mechanical Engineering(BS)[1998]	3	-	-	2,967	327	0%	\$20,280	\$20,280	32%	
2	<b>Indiana University-Purdue University Fort Wayne</b> <a href="http://www.ipfw.edu/">http://www.ipfw.edu/</a>	Computing (CAC) Computer Science(BS)[2004] Engineering (EAC) Computer Engineering(BS)[2004] Engineering (EAC) Electrical Engineering(BS)[1991] Technology (TAC) Mechanical Engineering Technology(BS)[1975]	13	-	-	11,081	862	1%	\$5,936	\$13,990	23%	
3	<b>Trine University</b>	Engineering (EAC) Chemical Engineering(BSChE)[1990] Engineering (EAC) Civil Engineering(BSCE)[1970] Engineering (EAC) Computer Engineering(BSCpE)[2007] Engineering (EAC) Electrical Engineering(BSEE)[1975] Engineering (EAC) Mechanical Engineering(BSME)[1971]	7	12	1	1,441	10	2%	\$23,450	\$23,450	69%	
	Note: Taylor University has ABET accredited programs and is less than 30 miles from the FW MSA.											
	Note: Valparaiso University and Univ Notre Dame have ranked engineering programs, less than 90 miles from FW MSA.											

Table 2-2 Fort Wayne

	ABET INSTITUTIONS BY MSA	ABET Accredited Program (as of 10/08)	(ABET) Degrees awarded 2007-08 (Note: all degrees noted in the ABET field, bold indicates ABET acc program)				Total Enrollment 2007 (Source: nces.ed.gov)		Undergraduate Non Resident Alien	Tuition and Fee 2008/09 (Source: nces.ed.gov)	Undergraduate non-resident	Overall Bachelor Graduation Rate (6 yr Source: nces.ed.gov)
			AS	BS	MS	PhD	Undergraduate	Grad				
<b>Indianapolis</b>												
1	Indiana University-Purdue University Indianapolis								\$7,191	\$20,578	31%	
	<a href="http://www.iupui.edu/">http://www.iupui.edu/</a>	Engineering (EAC)	Computer Engineering(BS)[2003]	13	-	-	21,202	8,652	2%			
		Engineering (EAC)	Electrical Engineering(BS)[1978]	35	21	-						
		Engineering (EAC)	Mechanical Engineering(BS)[1978]	43	10	-						
		Technology (TAC)	Architectural Technology(AS)[1995]	-	-	-						
		Technology (TAC)	Computer Engineering Technology(BS)[2005]	2	-	-						
		Technology (TAC)	Construction Technology(BS)[1995]	-	-	-						
		Technology (TAC)	Electrical Engineering Technology(BS)[1971]	21	-	-						
		Technology (TAC)	Mechanical Engineering Technology(BS)[1970]	34	-	-						
Note: Purdue Univesity has ABET accredited programs, and is less than 40 miles from the Indianapolis MSA.												
Note: Purdue Univesity-Kokomo has ABET accredited programs, and is less than 40 miles from the Indianapolis MSA.												
Note: Rose Hulman is within 75 miles of Indianapolis												

Table 2-3 Indianapolis

	ABET INSTITUTIONS BY MSA	ABET Accredited Program (as of 10/08)	(ABET) Degrees awarded 2007-08 (Note: all degrees noted in the ABET field, bold indicates ABET acc program)				Total Enrollment 2007 (Source: nces.ed.gov)		Undergraduate Non Resident Alien	Tuition and Fee 2008/09 (Source: nces.ed.gov)	Undergraduate non-resident	Overall Bachelor Graduation Rate (6 yr Source: nces.ed.gov)
			AS	BS	MS	PhD	Undergrad	Grad				
<b>Phoenix</b>												
<b>1</b>	<b>Arizona State University</b>											
	<a href="http://campus.asu.edu/polytechnic">http://campus.asu.edu/polytechnic</a>	Computing (CAC)	Computer Science (BS)[1992]	62	66	24	41,626	9,855	3%	\$5,661	\$17,949	56%
	Tempe	Engineering (EAC)	Aerospace Engineering(BSE)[1989]	40	3	0						
		Engineering (EAC)	Bioengineering(BSE)[1986]	92	19	5						
		Engineering (EAC)	Chemical Engineering(BSE)[1966]	36	6	1						
		Engineering (EAC)	Civil Engineering(BSE)[1961]	110	22	12						
		Engineering (EAC)	Computer Systems Engineering(BSE)[1980]	52	0	0						
		Engineering (EAC)	Electrical Engineering(BSE)[1961]	101	107	45						
		Engineering (EAC)	Industrial Engineering(BSE)[1980]	47	57	13						
		Engineering (EAC)	Materials Science and Engineering(BSE)[1998]	15	3	12						
		Engineering (EAC)	Mechanical Engineering(BSE)[1961]	107	19	3						
	East campus-Mesa	Technology (TAC)	Electronic(s) Engineering Technology(BS)[1974]	data is not offered by campus, above data most likely represents all ASU								
		Technology (TAC)	Manufacturing Engineering Technology(BS)[1974]									
		Technology (TAC)	Mechanical Engineering Technology(BS)[2003]									
<b>2</b>	<b>DeVry University</b>						1,248	360	1%	\$14,130	\$14,130	34%
	<a href="http://www.phx.devry.edu/">http://www.phx.devry.edu/</a>	Technology (TAC)	Biomedical Engineering Technology(BS)[2005]	19	-	-						
	Phoenix	Technology (TAC)	Computer Engineering Technology(BSCET)[2004]	12	-	-						
		Technology (TAC)	Electronic(s) Engineering Technology(BS)[1971]	14	-	-						

Table 2-4 Phoenix

	ABET INSTITUTIONS BY MSA	ABET Accredited Program (as of 10/08)	(ABET) Degrees awarded 2007-08 (Note: all degrees noted in the ABET field, bold indicates ABET acc program)				Total Enrollment 2007 (Source: nces.ed.gov)		Undergraduate Non Resident Alien	Tuition and Fee 2008/09 (Source: nces.ed.gov)	Overall Bachelor Graduation Rate (6 yr Source: nces.ed.gov)		
			AS	BS	MS	PhD	Undergrad	Grad		Undergrad resident	Undergrad non-resident		
<b>Salt Lake City</b>													
1	<b>University of Utah (Salt Lake City)</b>												
	<a href="http://www.utah.edu/portal/site/uuhome/">http://www.utah.edu/portal/site/uuhome/</a>	Applied Science (ASAC)	Occupational Health (w/ Industrial Hygiene)(MSOH)[1989]	22	7	8		21,421	6,604	3%	\$5,284	16,600	56%
		Engineering (EAC)	Chemical Engineering(BS)[1952]	67	35	-							
		Engineering (EAC)	Civil Engineering(BS)[1936]	10	-	-							
		Engineering (EAC)	Computer Engineering(BS)[1998]	65	40	6							
		Engineering (EAC)	Electrical Engineering(BS)[1936]	5	-	-							
		Engineering (EAC)	Geological Engineering(BS)[1952]	7	2	4							
		Engineering (EAC)	Materials Science and Engineering(BS)[1970]	110	70	7							
		Engineering (EAC)	Mechanical Engineering(BS)[1936]	9	12	4							
		Engineering (EAC)	Metallurgical Engineering(BS)[1936]	5	1	-							
		Engineering (EAC)	Mining Engineering(BS)[1936]										

Table 2-5 Salt Lake City

	ABET INSTITUTIONS BY MSA	ABET Accredited Program (as of 10/08)	(ABET) Degrees awarded 2007-08 (Note: all degrees noted in the ABET field, bold indicates ABET acc program)				Total Enrollment 2007 (Source: nces.ed.gov)		Undergraduate Non Resident Alien	Tuition and Fee 2008/09 (Source: nces.ed.gov)	Undergraduate non-resident	Overall Bachelor Graduation Rate (6 yr Source: nces.ed.gov)
			AS	BS	MS	PhD	Undergrad	Grad				
<b>New York</b>												
1	<b>Columbia University</b>						7,285	15,370	9%	\$39,326	\$39,326	93%
	<a href="http://www.columbia.edu/">http://www.columbia.edu/</a>	Engineering (EAC)	Biomedical Engineering(BS)[2005]	39	27	14						
	NYC	Engineering (EAC)	Chemical Engineering(BS)[1936]	29	17	5						
		Engineering (EAC)	Civil Engineering(BS)[1936]	41	37	4						
		Engineering (EAC)	Earth and Environmental Engineering(BS)[2001]	-	-	-						
		Engineering (EAC)	Electrical Engineering(BS)[1936]	30	69	14						
		Engineering (EAC)	Mechanical Engineering(BS)[1936]	38	25	2						
2	<b>The Cooper Union</b>						906	51	16%	\$34,450	\$34,450	83%
	<a href="http://www.cooper.edu/">http://www.cooper.edu/</a>	Engineering (EAC)	Chemical Engineering(BS)[1941]	18	3	-						
	NYC	Engineering (EAC)	Civil Engineering(BS)[1936]	19	2	-						
		Engineering (EAC)	Electrical Engineering(BS)[1936]	30	6	-						
		Engineering (EAC)	Mechanical Engineering(BS)[1936]	28	1	-						
3	<b>DeVry Institute of Technology, Long Island City</b>						882	381	1%	\$14,800	\$14,800	20%
	<a href="http://www.ny.devry.edu/">http://www.ny.devry.edu/</a>	Technology (TAC)	Computer Technology(B. Tech)[2003]	13	-	-						
	Long Island, NYC	Technology (TAC)	Electronics Engineering Technology(BS)[2002]	16	-	-						
4	<b>Hofstra University</b>						8,444	4,046	1%	\$28,630	\$28,630	53%
	<a href="http://www.hofstra.edu/">http://www.hofstra.edu/</a>	Engineering (EAC)	Electrical Engineering(BS)[1988]	4	-	-						
	Hempstead, NY	Engineering (EAC)	Engineering Science(s)(BE)[1971]	6	-	-						
		Engineering (EAC)	Mechanical Engineering(BS)[1988]	12	-	-						
5	<b>Hunter College of the City University of New York</b>						15,718	5,127	10%	\$4,399	\$9,039	36%
	<a href="http://www.hunter.cuny.edu/">http://www.hunter.cuny.edu/</a>	Applied Science (ASAC)	Science(MS)[2002]	-	5	-						
6	<b>Iona College</b>						3,507	816	1%	\$26,206	\$26,206	60%
	<a href="http://www.iona.edu/">http://www.iona.edu/</a>	Computing (CAC)	Computer Science(BS)[2003]	6	2	-						
	New Rochelle											

Table 2-6 New York

	ABET INSTITUTIONS BY MSA	ABET Accredited Program (as of 10/08)	(ABET) Degrees awarded 2007-08 (Note: all degrees noted in the ABET field, bold indicates ABET acc program)				Total Enrollment 2007 (Source: nces.ed.gov)		Undergraduate Non Resident Alien	Tuition and Fee 2008/09 (Source: nces.ed.gov)	Undergraduate non-resident	Overall Bachelor Graduation Rate (6 yr Source: nces.ed.gov)
			AS	BS	MS	PhD	Undergrad	Grad				
<b>New York (cont)</b>												
7	<b>Manhattan College</b>						3,072	399	0%	\$24,140	\$24,140	69%
	<a href="http://www.manhattan.edu/">http://www.manhattan.edu/</a>	Engineering (EAC)	Chemical Engineering(BS)[1964]	27	-	-						
	Bronx, NYC	Engineering (EAC)	Civil Engineering(BS)[1940]	57	15	-						
		Engineering (EAC)	Computer Engineering(BS)[2003]	10	-	-						
		Engineering (EAC)	Electrical Engineering(BS)[1940]	16	15	-						
		Engineering (EAC)	Environmental Engineering(BS)[1998]	8	13	-						
		Engineering (EAC)	Mechanical Engineering(BS)[1967]	36	9	-						
8	<b>New York City College of Technology</b>						13,502	0	7%	\$4,339	\$8,979	13%
	<a href="http://www.citytech.cuny.edu/">http://www.citytech.cuny.edu/</a>	Technology (TAC)	Civil Engineering Technology(AAS)[1978]	12	-	-						
	Brooklyn, NYC	Technology (TAC)	Computer Engineering Technology(BT)[2003]	-	45	-						
		Technology (TAC)	Electrical Engineering Technology(AAS)[1959-1965;1978]	23	-	-						
		Technology (TAC)	Electromechanical Engineering Technology(AAS)[1978]	22	-	-						
		Technology (TAC)	Mechanical Engineering Technology(AAS)[1959-1965;1978]	37	-	-						
		Technology (TAC)	Telecommunications Engineering Technology(AAS)[1996]	-	16	-						
9	<b>New York Institute of Technology</b>						1,812	735	13%	\$22,780	\$22,780	37%
	<a href="http://www.nyit.edu/">http://www.nyit.edu/</a>	Engineering (EAC)	Electrical and Computer Engineering(BS)[1986]	-	21	-						
	Manhattan campus	Engineering (EAC)	Mechanical Engineering(BS)[1986]	-	2	-						
		Technology (TAC)	Technology(BT)[1975]	24	-	-						
	<b>New York Institute of Technology</b>						4,833	3,648	3%	\$22,780	\$22,780	42%
	<a href="http://www.nyit.edu/">http://www.nyit.edu/</a>	Engineering (EAC)	Electrical and Computer Engineering(BS)[1986]	-	15	74						
	Old Westbury campus	Engineering (EAC)	Mechanical Engineering(BS)[1986]	-	22	-						
		Technology (TAC)	Technology(BT)[1975]	3	-	-						
10	<b>State University of New York Maritime College</b>						1,329	158	8%	\$5,426	\$11,686	48%
	<a href="http://www.sunymaritime.edu/">http://www.sunymaritime.edu/</a>	Engineering (EAC)	Marine Engineering(BE)[1972] and Naval Arch (BE)[1978]	-	52	-						
	Throggs Neck, NY											

Table 2-7 New York (Cont)

	ABET INSTITUTIONS BY MSA	ABET Accredited Program (as of 10/08)	(ABET) Degrees awarded 2007-08 (Note: all degrees noted in the ABET field, bold indicates ABET acc program)				Total Enrollment 2007 (Source: nces.ed.gov)		Undergraduate Non Resident Alien	Tuition and Fee 2008/09 (Source: nces.ed.gov)	Undergraduate non-resident	Overall Bachelor Graduation Rate (6 yr Source: nces.ed.gov)	
			AS	BS	MS	PhD	Undergrad	Grad					
<b>New York (cont)</b>													
11	<b>City University of New York, Bronx Community College</b> <a href="http://www.bcc.cuny.edu/">http://www.bcc.cuny.edu/</a>	Technology (TAC)	Electronic Engineering Technology(AAS)[1963]	12	-	-	-	9,003	0	7%	\$3,154	\$415 per d	7%*
12	<b>City University of New York, City College</b> <a href="http://www1.ccny.cuny.edu/">http://www1.ccny.cuny.edu/</a>	Computing (CAC)	Computer Science(BS)[1992-2002;2005-2002;2005]	-	32	50	-	11,181	3,211	11%	\$4,329	\$8,969	36%
		Engineering (EAC)	Chemical Engineering(BE)[1953]	-	27	6	-						
		Engineering (EAC)	Civil Engineering(BE)[1936]	-	34	19	2						
		Engineering (EAC)	Computer Engineering(BE)[2003]	-	26	-	-						
		Engineering (EAC)	Electrical Engineering(BE)[1936]	-	82	30	-						
		Engineering (EAC)	Mechanical Engineering(BE)[1936]	-	46	33	-						
13	<b>City University of New York, College of Staten Island ,NY</b> <a href="http://www.csi.cuny.edu/">http://www.csi.cuny.edu/</a>	Computing (CAC)	Computer Science(BS)[1989]	0	19			11,588	929	4%	\$3,140	\$4,900	26%
		Engineering (EAC)	Engineering Science(s)(BS)[1985]		21								
		Technology (TAC)	Electrical Engineering Technology(AS)[1983]	n/a									
14	<b>City University of New York, Queensborough Community College</b> <a href="http://www.qcc.cuny.edu/">http://www.qcc.cuny.edu/</a>	Technology (TAC)	Computer Engineering Technology(AAS)[1971]	16	-	-	-	13,359	0	9%	\$3,140	\$4,900	13%
		Technology (TAC)	Electronic(s) Engineering Technology(AAS)[1965]	23	-	-	-						
		Technology (TAC)	Laser and Fiber Optics Engineering Technology(AAS)[1995]	15	-	-	-						
		Technology (TAC)	Mechanical Engineering Technology(AAS)[1971]	28	-	-	-						
15	<b>Pace University -NY</b> <a href="http://www.pace.edu/">http://www.pace.edu/</a>	Computing (CAC)	Computer Science(BS)[1986]	-	18	31	-	7,716	5,196	5%	\$31,437	\$31,437	53%
		Computing (CAC)	Information Systems(BS)[2002]	-	26	70	-						

Table 2-8 New York (Cont.)

	ABET INSTITUTIONS BY MSA	ABET Accredited Program (as of 10/08)	(ABET) Degrees awarded 2007-08 (Note: all degrees noted in the ABET field, bold indicates ABET acc program)				Total Enrollment 2007 (Source: nces.ed.gov)		Undergraduate Non Resident Alien	Tuition and Fee 2008/09 (Source: nces.ed.gov)	Overall Bachelor Graduation Rate (6 yr Source: nces.ed.gov)		
			AS	BS	MS	PhD	Undergrad	Grad					
<b>New York (cont)</b>													
16	<b>Polytechnic Institute of New York University</b> <a href="http://www.poly.edu/">http://www.poly.edu/</a>	Computing (CAC)	Computer Science(BS)[1988]	-	33	82	5	1,495	1,822	13%	\$32,644	\$32,644	47%
	Brooklyn (ie NY University)	Engineering (EAC)	Chemical and Biological Engineering(BS)[1936]	-	18	6	3						
		Engineering (EAC)	Civil Engineering(BS)[1936]	-	34	12	1						
		Engineering (EAC)	Computer Engineering(BS)[1991]	-	32	12	-						
		Engineering (EAC)	Electrical Engineering(BS)[1936]	-	54	118	13						
		Engineering (EAC)	Mechanical Engineering(BS)[1936]	-	29	9	2						
17	<b>State University of New York, College of Technology at Farmingdale</b> <a href="http://www.farmingdale.edu/">http://www.farmingdale.edu/</a>	Technology (TAC)	Architectural Technology(BS)[2005]	-	14	-	-	6,447	0	1%	\$6,561	\$12,821	24%
		Technology (TAC)	Computer Engineering Technology(BS)[2001]	-	7	-	-						
		Technology (TAC)	Technology(BS)[2001]	-	-	-	-						
		Technology (TAC)	Electrical Engineering Technology(BS)[1988]	-	24	-	-						
		Technology (TAC)	Industrial?)	-	32	-	-						
		Technology (TAC)	Mechanical Engineering Technology(AAS)[1965]	2	-	-	-						
		Technology (TAC)	Mechanical Engineering Technology(BS)[2005]	-	15	-	-						
18	<b>SUNY,Stony Brook University</b> <a href="http://www.sunysb.edu/">http://www.sunysb.edu/</a>	Computing (CAC)	Computer Science(BS)[2004]	-	76	84	20	15,519	7,828	6%	\$5,810	\$12,070	59%
		Engineering (EAC)	Biomedical Engineering(BE)[2004]	-	25	14	13						
		Engineering (EAC)	Chemical and Molecular Engineering(BE)[2006]	-	7	-	-						
		Engineering (EAC)	Computer Engineering(BE)[1991]	-	26	-	-						
		Engineering (EAC)	Electrical Engineering(BE)[1973]	-	32	48	10						
		Engineering (EAC)	Engineering Science(s)(BE)[1965]	-	7	-	-						
		Engineering (EAC)	Mechanical Engineering(BE)[1979]	-	55	17	6						
19	<b>Technical Career Institutes</b> <a href="http://www.tcicollege.edu/">http://www.tcicollege.edu/</a>	Technology (TAC)	Electronic(s) Engineering Technology(AAS)[1980]	32	-	-	-	3,193	-	2%	\$10,565	\$10,565	-

Table 2-9 New York (Cont.)



	ABET INSTITUTIONS BY MSA	ABET Accredited Program (as of 10/08)	(ABET) Degrees awarded 2007-08 (Note: all degrees noted in the ABET field, bold indicates ABET acc program)				Total Enrollment 2007 (Source: nces.ed.gov)		Undergraduate Non Resident Alien	Tuition and Fee 2008/09 (Source: nces.ed.gov)	Undergrad resident	Undergrad non-resident	Overall Bachelor Graduation Rate (6 yr Source: nces.ed.gov)
			AS	BS	MS	PhD	Undergrad	Grad					
<b>New York (cont)</b>													
20	<b>United States Merchant Marine Academy</b> <a href="http://www.usmma.edu/">http://www.usmma.edu/</a>	Engineering (EAC)	Marine Engineering and Shipyard Management(BS)[2000]	-	-	-	-	922	11	1%	-	-	79%
		Engineering (EAC)	Marine Engineering Systems(BS)[1982]	-	37	-	-						
21	<b>Vaughn College of Aeronautics and Technology</b> <a href="http://www.vaughn.edu/">http://www.vaughn.edu/</a>	Technology (TAC)	Aeronautical Engineering Technology(AAS)[1947]	-	-	-	-	1068	-	3%	\$15,900	\$15,900	-
		Technology (TAC)	Concentration(AAS)[2004]	-	-	-	-						
		Technology (TAC)	Concentration (BS)[2004]	-	-	-	-						
		Technology (TAC)	Communication Option(BS)[2006]	-	-	-	-						
		Technology (TAC)	Option(BS)[2006]	-	-	-	-						
		Technology (TAC)	Aeronautical Option(BS)[2004]	-	-	-	-						
22	<b>DeVry University, North Brunswick ,NJ</b> <a href="http://www.devry.edu">www.devry.edu</a>	Technology (TAC)	Electronic Engineering Technology(BSEET)[2002]	-	31	-	-	1,292	-	2%	\$14,800	-	31%
		Technology (TAC)	Electronic(s) Engineering Technology(AS)[1987]	37	-	-	-						
23	<b>Essex County College ,NJ</b> <a href="http://www.essex.edu/">http://www.essex.edu/</a>	Technology (TAC)	Civil Construction Engineering Technology(AAS)[1998]	7	-	-	-	12,318	-	9%	\$3,012	5292	6%
		Technology (TAC)	Electronic Engineering Technology(AAS)[2003]	6	-	-	-						
		Technology (TAC)	Manufacturing Engineering Technology(AAS)[1998]	10	-	-	-						
24	<b>Fairleigh Dickinson University (Metropolitan Campus) ,NJ</b> <a href="http://www.fdu.edu">www.fdu.edu</a>	Computing (CAC)	Computer Science (BS)[1987]	-	4	55	-	5,866	2,827	4%	\$28,519	-	39%
		Engineering (EAC)	Electrical Engineering(BS)[1960]	-	21	83	-						
		Technology (TAC)	Civil Engineering Technology(BS CivET)[1993]	-	9	-	-						
		Technology (TAC)	Construction Engineering Technology(BS ConET)[1993]	-	3	-	-						
		Technology (TAC)	Electrical Engineering Technology(BSEET)[1993]	-	3	-	-						
		Technology (TAC)	Mechanical Engineering Technology(BSMET)[1993]	-	4	-	-						

Table 2-10 New York (Cont.)

	ABET INSTITUTIONS BY MSA	ABET Accredited Program (as of 10/08)	(ABET) Degrees awarded 2007-08 (Note: all degrees noted in the ABET field, bold indicates ABET acc program)				Total Enrollment 2007 (Source: nces.ed.gov)		Undergraduate Non Resident Alien	Tuition and Fee 2008/09 (Source: nces.ed.gov)	Undergrad resident	Undergrad non-resident	Overall Bachelor Graduation Rate (6 yr Source: nces.ed.gov)
			AS	BS	MS	PhD	Undergrad	Grad					
<b>New York (cont)</b>													
25	<b>Monmouth University ,NJ,</b> <a href="http://www.monmouth.edu">www.monmouth.edu</a>	Engineering (EAC)	Software Engineering(BSSE)[2003]—CRI NOTE: listed data "ENG, OTHER"	-	5	22	-	4,711	320	0%	\$24,098	-	59%
26	<b>Montclair State University ,NJ</b>	Computing (CAC)	Computer Science - concentration in Professional Computing(BS)[1993]	-	25	8	-	13,725	1,360	5%	\$9,428	\$17,208	62%
28	<b>County College of Morris ,NJ</b> <a href="http://www.ccm.edu">www.ccm.edu</a>	Technology (TAC)	Electronic(s) Engineering Technology(AS)[1985]	5	-	-	-	8,441	-	2%	\$3,530	\$8,900	23%
		Technology (TAC)	Mechanical Engineering Technology(AS)[1985]	14	-	-	-						
27	<b>New Jersey Institute of Technology ,NJ</b> <a href="http://www.njit.edu">www.njit.edu</a>	Computing (CAC)	Computer Science(BA) (CRI Note: recorded info for Comp & Info Sciences)	5	62	201	7	5,576	455	5%	\$12,482	\$21,942	55%
		Computing (CAC)	Computer Science(BS) (CRI NOTE:could not distinguish reported grad numbers BA vs BS)	-	-	-	-						
		Computing (CAC)	Information Systems(BA)[CRI note: reported "Info Science/Studies degrees]	4	20	108	10						
		Computing (CAC)	degrees)	-	72	-	-						
		Engineering (EAC)	Biomedical Engineering(BSBE)[2005]		49	67	2						
		Engineering (EAC)	Chemical Engineering(BSChE)[1950]		39	11	2						
		Engineering (EAC)	Civil Engineering(BSCE)[1936]	8	55	57	1						
		Engineering (EAC)	Computer Engineering(BSCoE)[1996]		48	11	2						
		Engineering (EAC)	Electrical Engineering(BSEE)[1936]		68	146	7						
		Engineering (EAC)	Industrial Engineering(BSIE)[1963]	9	20	12	1						
		Engineering (EAC)	Mechanical Engineering(BSME)[1936]		80	34	4						
28	<b>Passaic County Community College ,NJ</b> <a href="http://www.pccc.cc.nj.us/">http://www.pccc.cc.nj.us/</a>	Technology (TAC)	Electronic Engineering Technology(AAS)[2005]	4	-	-	-	7,902	-	3%	\$3,410	\$6,065	6%

Table 2-11 New York (Cont.)

	ABET INSTITUTIONS BY MSA	ABET Accredited Program (as of 10/08)	(ABET) Degrees awarded 2007-08 (Note: all degrees noted in the ABET field, bold indicates ABET acc program)				Total Enrollment 2007 (Source: nces.ed.gov)		Undergraduate Non Resident Alien	Tuition and Fee 2008/09 (Source: nces.ed.gov)	Undergrad non-resident	Overall Bachelor Graduation Rate (6 yr Source: nces.ed.gov)	
			AS	BS	MS	PhD	Undergrad	Grad					
<b>New York (cont)</b>													
29	<b>Stevens Institute of Technology ,NJ</b> <a href="http://www.stevens.edu">www.stevens.edu</a>	Computing (CAC)	Computer Science(BS)[1986-1989;1992]	-	33	32	1	2,164	3,431	0%	\$36,280	-	79%
		Engineering (EAC)	Chemical Engineering(BE)[1986]	-	25	10	2						
		Engineering (EAC)	Civil Engineering(BE)[1987]	-	39	23	-						
		Engineering (EAC)	Computer Engineering(BE)[1986]	-	35	18	-						
		Engineering (EAC)	Electrical Engineering(BE)[1986]	-	29	59	5						
		Engineering (EAC)	Engineering Management(BE)[1992] (CRI NOTE: recorded "eng, Gene	-	-	1	-						
		Engineering (EAC)	Engineering(BE)[1936-1989;1992] (CRI Note; recorded "eng, other"	114	-	51	-						
		Engineering (EAC)	Environmental Engineering(BE)[1995]	-	2	11	-						
		Engineering (EAC)	Mechanical Engineering(BE)[1986]	-	74	54	-						
30	<b>William Paterson University of New Jersey ,NJ</b> <a href="http://www.wpunj.edu">www.wpunj.edu</a>	Computing (CAC)	Computer Science(BS)[2006]	-	24	-	-	8,741	863	1%	\$10,492	\$17,050	45%
31	<b>Rutgers, The State University of New Jersey, NJ</b> <a href="http://www.rutgers.edu/">http://www.rutgers.edu/</a>	Engineering (EAC)	Biomedical Engineering(BS)[2005]	-	79	14	7	28,031	8,010	2%	\$11,540	\$21,488	73%
		Engineering (EAC)	Chemical Engineering(BS)[1971]	-	41	8	6						
		Engineering (EAC)	Civil Engineering(BS)[1936]	-	60	13	4						
		Engineering (EAC)	Electrical and Computer Engineering(BS)[1936]	-	96	25	33						
		Engineering (EAC)	Industrial Engineering(BS)[1952]	-	13	6	5						
		Engineering (EAC)	Materials Science and Engineering(BS)[1949]	-	-	-	-						
		Engineering (EAC)	Mechanical Engineering(BS)[1936]	-	97	18	8						

Table 2-12 New York (Cont.)

	ABET INSTITUTIONS BY MSA	ABET Accredited Program (as of 10/08)	(ABET) Degrees awarded 2007-08 (Note: all degrees noted in the ABET field, bold indicates ABET acc program)				Total Enrollment 2007 (Source: nces.ed.gov)		Undergraduate Non Resident Alien	Tuition and Fee 2008/09 (Source: nces.ed.gov)	Undergrad resident	Undergrad non-resident	Overall Bachelor Graduation Rate (6 yr Source: nces.ed.gov)
			AS	BS	MS	PhD	Undergrad	Grad					
<b>Boston</b>													
1	<b>Boston University</b> <a href="http://www.bu.edu/">http://www.bu.edu/</a>	Engineering (EAC)	Aerospace Engineering(BS)[1971]	23	3	-		18,534	13,232	10%	\$37,050	\$37,050	80%
		Engineering (EAC)	Biomedical Engineering(BS)[1983]	78	20	17							
		Engineering (EAC)	Computer Engineering(BS)[1983]	-	-	2							
		Engineering (EAC)	Computer Systems Engineering(BS)[1983]	-	-	-							
		Engineering (EAC)	Electrical Engineering(BS)[1983]	50	31	12							
		Engineering (EAC)	Manufacturing Engineering(BS)[1971]	28	19	2							
		Engineering (EAC)	Mechanical Engineering(BS)[1983]	59	13	5							
	<b>Harvard University</b> <a href="http://www.harvard.edu/">http://www.harvard.edu/</a>	Engineering (EAC)	Engineering Science(s)(BS)[1962]	31	29	8		10,156	16,340	7%	\$36,173	\$36,173	98%
4	<b>University of Massachusetts Boston</b> <a href="http://www.umb.edu/">http://www.umb.edu/</a>	Computing (CAC)	Computer Science(BS)[2003]	-	17	1		10,478	3,639	3%	\$9,111	\$21,297	36%
5	<b>Massachusetts Institute of Technology</b> <a href="http://www.mit.edu/">http://www.mit.edu/</a>	Applied Science (ASAC)	Occupational and Environmental Hygiene(M.S.)(ASAC)[1994]	-	-	-		4,153	6,146	9%	\$36,390	\$36,390	93%
		Computing (CAC)	Computer Science(BS)[1990]	176	112	40							
		Engineering (EAC)	Chemical Engineering(BS)[1971]	77	44	27							
		Engineering (EAC)	Civil Engineering(BS)[1977]	15	22	12							
		Engineering (EAC)	Computer Engineering(BS)[2005]	-	-	-							
		Engineering (EAC)	Electrical Engineering(BS)[1962]	89	108	64							
		Engineering (EAC)	Mechanical Engineering(BS)[1962]	136	117	52							
		Engineering (EAC)	Engineering(BS)[2001]	-	34	3							
		Engineering (EAC)	Plastics Engineering(BS)[1978]	-	-	-							
		Technology (TAC)	Civil Engineering Technology(AS)[1969]	-	-	-							
		Technology (TAC)	Civil Engineering Technology(BS)[1969]	-	-	-							
		Technology (TAC)	Electronic(s) Engineering Technology(AS)[1978]	-	-	-							
		Technology (TAC)	Electronic(s) Engineering Technology(BS)[1978]	-	-	-							
		Technology (TAC)	Mechanical Engineering Technology(AS)[1978]	-	-	-							
		Technology (TAC)	Mechanical Engineering Technology(BS)[1978]	-	-	-							

Table 2-13 Boston

ABET INSTITUTIONS BY MSA	ABET Accredited Program (as of 10/08)		(ABET) Degrees awarded 2007-08 (Note: all degrees noted in the ABET field, bold indicates ABET acc program)				Total Enrollment 2007 (Source: nces.ed.gov)		Undergraduate Non Resident Alien	Tuition and Fee 2008/09 (Source: nces.ed.gov)		Overall Bachelor Graduation Rate (6 yr Source: nces.ed.gov)
			AS	BS	MS	PhD	Undergrad	Grad		Undergrad resident	Undergrad non-resident	
<b>Boston (Cont)</b>												
<b>6 University of Massachusetts Lowell</b> <a href="http://www.uml.edu/">http://www.uml.edu/</a>	Applied Science (ASAC)	Occupational and Environmental Hygiene(M.S.)(1994)	8	10	-		9,706	2,765	1%	\$9,006	\$21,028	51%
	Computing (CAC)	Computer Science(BS)(1990)	26	27	2							
	Engineering (EAC)	Chemical Engineering(BS)(1971)	12	10	1							
	Engineering (EAC)	Civil Engineering(BS)(1977)	32	14	-							
	Engineering (EAC)	Computer Engineering(BS)(2005)	13	17	-							
	Engineering (EAC)	Electrical Engineering(BS)(1962)	-	-	-							
	Engineering (EAC)	Mechanical Engineering(BS)(1962)	48	8	1							
	Engineering (EAC)	Engineering(BS)(2001)		3	1							
	Engineering (EAC)	Plastics Engineering(BS)(1978)	22	34	5							
	Technology (TAC)	Civil Engineering Technology(AS)(1969)	11	-	-							
	Technology (TAC)	Civil Engineering Technology(BS)(1969)										
	Technology (TAC)	Electronic(s) Engineering Technology(AS)(1978)	8	-	-							
	Technology (TAC)	Electronic(s) Engineering Technology(BS)(1978)										
	Technology (TAC)	Mechanical Engineering Technology(AS)(1978)	5	-	-							
	Technology (TAC)	Mechanical Engineering Technology(BS)(1978)										
<b>7 Merrimack College</b> <a href="http://www.merrimack.edu/">http://www.merrimack.edu/</a>	Engineering (EAC)	Civil Engineering(BS)(1964)	16	-	-		2,083	60	2%	\$28,658	\$28,658	67%
	Engineering (EAC)	Electrical Engineering(BS)(1966)	12	-	-							
<b>8 Northeastern University</b> <a href="http://www.northeastern.edu/">http://www.northeastern.edu/</a>	Computing (CAC)	Computer Science(BS)(1986)	86	49	9		18,530	7,307	7%	\$33,721	\$33,721	65%
	Engineering (EAC)	Chemical Engineering(BS)(1942)	37	5	2							
	Engineering (EAC)	Civil Engineering(BS)(1939)	62	7	3							
	Engineering (EAC)	Computer Engineering(BS)(2006)	29	30	4							
	Engineering (EAC)	Electrical Engineering(BS)(1939)	77	60	14							
	Engineering (EAC)	Industrial Engineering(BS)(1939)	26	41	5							
	Engineering (EAC)	Mechanical Engineering(BS)(1939)	109	20	5							
	Technology (TAC)	Computer Engineering Technology(AE)(2005)	29	-	-							
	Technology (TAC)	Computer Engineering Technology(BSET)(2005)										
	Technology (TAC)	Electrical Engineering Technology(AE)(1986)	14	-	-							
	Technology (TAC)	Electrical Engineering Technology(BSET)(1970)										
	Technology (TAC)	Mechanical Engineering Technology(AE)(1986)	28	-	-							
	Technology (TAC)	Mechanical Engineering Technology(BSET)(1970)										

Table 2-14 Boston (Cont.)

	ABET INSTITUTIONS BY MSA	ABET Accredited Program (as of 10/08)	(ABET) Degrees awarded 2007-08 (Note: all degrees noted in the ABET field, bold indicates ABET acc program)				Total Enrollment 2007 (Source: nces.ed.gov)		Undergraduate Non Resident Alien	Tuition and Fee 2008/09 (Source: nces.ed.gov)	Overall Bachelor Graduation Rate (6 yr Source: nces.ed.gov)	
			AS	BS	MS	PhD	Undergrad	Grad				Undergrad resident
<b>Boston (Cont)</b>												
9	<b>Franklin W. Olin College of Engineering</b> <a href="http://www.olin.edu/">http://www.olin.edu/</a>	Engineering (EAC)	Electrical and Computer Engineering(BSECE)[2005]	-	-	-	308	-	5%	\$35,375	\$35,375	89%
		Engineering (EAC)	Engineering(BSE)[2005]	29	-	-						
		Engineering (EAC)	Mechanical Engineering(BSME)[2005]	16	-	-						
10	<b>Salem State College</b> <a href="http://www.salemstate.edu/">http://www.salemstate.edu/</a>	Computing (CAC)	Computer and Information Studies(BS)[2004]	8	-	-	7,677	2,480	4%	\$6,342	\$12,482	40%
11	<b>Suffolk University</b> <a href="http://www.suffolk.edu/">http://www.suffolk.edu/</a>	Engineering (EAC)	Electrical Engineering(B.S.E.)[2003]	8	-	-	5,808	3,626	9%	\$25,954	\$25,954	47%
12	<b>Tufts University</b> <a href="http://www.tufts.edu/">http://www.tufts.edu/</a>	Computing (CAC)	Computer Science(BSCS)[2004]	17	-	-	5,044	4,986	6%	\$38,840	\$38,840	92%
		Engineering (EAC)	Chemical Engineering(BS)[1952]	23	8	3						
		Engineering (EAC)	Civil Engineering(BS)[1936]	23	13	3						
		Engineering (EAC)	Computer Engineering(BS)[1982]	12	-	-						
		Engineering (EAC)	Electrical Engineering(BS)[1936]	29	20	3						
		Engineering (EAC)	Environmental Engineering(BS)[1997]	1	-	-						
		Engineering (EAC)	Mechanical Engineering(BS)[1936]	55	19	3						
13	<b>Wentworth Institute of Technology</b> <a href="http://www.wit.edu/">http://www.wit.edu/</a>	Engineering (EAC)	Electromechanical Engineering(BS)[2002]	-	-	-	3,816	-	3%	\$22,025	\$22,025	55%
		Technology (TAC)	Architectural Engineering Technology(BS)[1981]	99	-	-						
		Technology (TAC)	Civil Engineering Technology(BS)[1981]	43	-	-						
		Technology (TAC)	Computer Engineering Technology(BS)[1987]	30	-	-						
		Technology (TAC)	Electronic(s) Engineering Technology(BS)[1981]	34	-	-						
		Technology (TAC)	Mechanical Engineering Technology(BS)[1981]	82	-	-						

Table 2-15 Boston (Cont.)

	ABET INSTITUTIONS BY MSA	ABET Accredited Program (as of 10/08)	(ABET) Degrees awarded 2007-08 (Note: all degrees noted in the ABET field, bold indicates ABET acc program)				Total Enrollment 2007 (Source: nces.ed.gov)		Undergraduate Non Resident Alien	Tuition and Fee 2008/09 (Source: nces.ed.gov)	Undergrad resident	Undergrad non-resident	Overall Bachelor Graduation Rate (6 yr Source: nces.ed.gov)
			AS	BS	MS	PhD	Undergrad	Grad					
<b>San Diego</b>													
<b>1</b>	<b>University of California, San Diego</b>						22,518	5,002	3%	\$8,062	\$28,673	86%	
	<a href="http://www.ucsd.edu/">http://www.ucsd.edu/</a>	Engineering (EAC)	Aerospace Engineering(BS)[2002]	43	11	1							
		Engineering (EAC)	Bioengineering (Biotechnology)(BS)[2002]	130	44	10							
		Engineering (EAC)	Bioengineering(BS)[1987]	-	-	-							
		Engineering (EAC)	Chemical Engineering(BS)[1985]	25	1	3							
		Engineering (EAC)	Electrical Engineering(BS)[1982]	-	109	16	19						
		Engineering (EAC)	Mechanical Engineering(BS)[1987]	-	151	33	10						
		Engineering (EAC)	Structural Engineering(BS)[1987]	-	112	25	16						
<b>2</b>	<b>DeVry University</b>												
	<a href="http://www.devry.edu/locations/campuses/loc_sandiego.jsp">http://www.devry.edu/locations/campuses/loc_sandiego.jsp</a>												
		Technology (TAC)	Computer Engineering Technology(BS)[2003]										
		Technology (TAC)	Electronics Engineering Technology(BS)[1988]										
<b>3</b>	<b>San Diego State University</b>						28,789	6,100	3%	\$3,754	\$13,924	61%	
	<a href="http://www.sdsu.edu/">http://www.sdsu.edu/</a>	Applied Science (ASAC)	Industrial Hygiene(MS)[1997]	-	?								
		Computing (CAC)	Computer Science(BS)[1994]	-	48	76	-						
		Engineering (EAC)	Aerospace Engineering(BS)[1964]	-	12	4	-						
		Engineering (EAC)	Civil Engineering(BS)[1964]	-	99	15	-						
		Engineering (EAC)	Computer Engineering(BS)[2004]	-	32	-							
		Engineering (EAC)	Electrical Engineering(BS)[1964]	-	50	41	-						
		Engineering (EAC)	Environmental Engineering(BS)[2004]										
		Engineering (EAC)	Mechanical Engineering(BS)[1964]	-	77	12	-						
<b>4</b>	<b>University of San Diego</b>						5,119	2,713	3%	\$34,264	\$34,264	75%	
	<a href="http://www.sandiego.edu">www.sandiego.edu</a>	Engineering (EAC)	Electrical Engineering(BS/BA)[1992]	-	8	-	-						
		Engineering (EAC)	Industrial and Systems Engineering(BS/BA)[2001]	-	5	-	-						
		Engineering (EAC)	Mechanical Engineering(BS/BA)[2006]	-	16	-	-						

Table 2-16 San Diego

ABET INSTITUTIONS BY MSA	ABET Accredited Program (as of 10/08)	(ABET) Degrees awarded 2007-08 (Note: all degrees noted in the ABET field, bold indicates ABET acc program)				Total Enrollment 2007 (Source: nces.ed.gov)		Undergraduate Non Resident Alien	Tuition and Fee 2008/09 (Source: nces.ed.gov)		Overall Bachelor Graduation Rate (6 yr Source: nces.ed.gov)	
		AS	BS	MS	PhD	Undergrad	Grad		Undergrad resident	Undergrad non-resident		
<b>Baltimore</b>												
<b>1</b>	<b>The Johns Hopkins University</b>						5,577	14,181	7%	\$37,700	\$37,700	89%
	<a href="http://www.jhu.edu/">http://www.jhu.edu/</a>	Applied Science (ASAC)	Occupational and Environmental Hygiene(MHS)[1990] ** Recorded stats for Environmental Health in Health Professions	-	-	21	16					
		Computing (CAC)	Computer Science(BS)[2004]	-	19	245	15					
		Engineering (EAC)	Biomedical Engineering(BS)[1983]	-	72	35	19					
		Engineering (EAC)	Chemical and Biomolecular Engineering(BS)[1940]	-	64	8	9					
		Engineering (EAC)	Civil Engineering(BS)[1936]	-	15	8	2					
		Engineering (EAC)	Computer Engineering(BS)[2000]	-	11	-	-					
		Engineering (EAC)	Electrical Engineering(BS)[1936]	-	19	141	13					
		Engineering (EAC)	Engineering Mechanics(BS)[1982]	-	2	-	-					
		Engineering (EAC)	Environmental Engineering(BS)[2004]	-	72	35	19					
		Engineering (EAC)	Materials Science and Engineering(BS)[1982]	-	15	14	7					
		Engineering (EAC)	Mechanical Engineering(BS)[1991]	-	28	49	11					
<b>2</b>	<b>Loyola College in Maryland</b>						3,716	2,364	1%	\$36,240	\$36,240	86%
	<a href="http://www.loyola.edu/">http://www.loyola.edu/</a>	Computing (CAC)	Computer Science(BS)[1990]	-	8	21	-					
		Engineering (EAC)	Engineering Science(s)(BS)[1991]	-	20	1	-					
<b>3</b>	<b>University of Maryland Baltimore County</b>						9,612	2,656	4%	\$8,780	\$17,512	59%
	<a href="http://www.umbc.edu/">http://www.umbc.edu/</a>	Computing (CAC)	Computer Science(BS)[2000]	-	106	23	8					
		Engineering (EAC)	Chemical Engineering(BS)[1986]	-	28	4	8					
		Engineering (EAC)	Computer Engineering(BS)[2000]	-	30	4	2					
		Engineering (EAC)	Mechanical Engineering(BS)[1986]	-	71	16	6					
<b>4</b>	<b>Morgan State University</b>						6,114	891	4%	\$6,438	\$14,928	32%
	<a href="http://www.morgan.edu/">http://www.morgan.edu/</a>	Engineering (EAC)	Civil Engineering(BS)[1992]	-	20	-	-					
		Engineering (EAC)	Electrical Engineering(BS)[1990]	-	47	-	-					
		Engineering (EAC)	Industrial Engineering(BS)[1992]	-	12	-	-					
<b>5</b>	<b>Towson University</b>						17,272	3,839	3%	\$7,314	\$17,860	66%
	<a href="http://www.towson.edu/">http://www.towson.edu/</a>	Computing (CAC)	Computer Science(BS)[1994]	-	31	26	-					

Table 2-16 Baltimore



	ABET INSTITUTIONS BY MSA	ABET Accredited Program (as of 10/08)	(ABET) Degrees awarded 2007-08 (Note: all degrees noted in the ABET field, bold indicates ABET acc program)				Total Enrollment 2007 (Source: nces.ed.gov)		Undergraduate	Tuition and Fee 2008/09 (Source: nces.ed.gov)		Overall Bachelor Graduation Rate (6 yr Source: nces.ed.gov)	
			AS	BS	MS	PhD	Undergrad	Grad	Non Resident Alien	Undergrad resident	Undergrad non-resident		
<b>Baltimore (Cont)</b>													
6	<b>United States Naval Academy</b>												
	<a href="http://www.usna.edu/">http://www.usna.edu/</a>	Computing (CAC)	Computer Science(BS)[1987]	-	16	-	-	4,488	0	1%	\$0	x	86%
		Computing (CAC)	Information Technology(BS)[2005]	-	41	-	-						
		Engineering (EAC)	Aerospace Engineering(BS)[1970]	-	76	-	-						
		Engineering (EAC)	Electrical Engineering(BS)[1970]	-	30	-	-						
		Engineering (EAC)	Mechanical Engineering(BS)[1970]	-	84	-	-						
		Engineering (EAC)	Naval Architecture(BS)[1972]	-	18	-	-						
		Engineering (EAC)	Ocean Engineering(BS)[1972]	-	51	-	-						
		Engineering (EAC)	Systems Engineering(BS)[1970]	-	103	-	-						

Table 2-17 Baltimore (Cont)

### 2.1.3. Technical Schools

In addition to examining ABET accredited institutions, we also examine Technical Schools. For the purpose of this report, we limited the data set to institutions which offered instruction in areas relevant to the High Technology industry, such as Computer Aided Manufacturing, Computer Aided Design, Technicians, and Information Technology. In this section, we examine the number of institutions in each MSA, the enrollment, average completion rates and tuition. A summary of Technical Schools by MSA follows:

<b>MSA</b>	<b>Technical Institutions</b>	<b>2008-2009 Enrollment</b>	<b>Avg. Completion Rates</b>	<b>2008-2009 Avg Tuition</b>
<b>Fort Wayne, IN</b>	<b>3</b>	<b>9118</b>	<b>47%</b>	<b>\$ 10,615</b>
<b>Indianapolis, IN</b>	<b>4</b>	<b>18710</b>	<b>38%</b>	<b>\$ 7,100</b>
<b>Phoenix, AZ</b>	<b>15</b>	<b>113186</b>	<b>35%</b>	<b>\$ 5,373</b>
<b>Cedar Rapids, IA</b>	<b>4</b>	<b>31339</b>	<b>35%</b>	<b>\$ 12,430</b>
<b>Salt Lake City, UT</b>	<b>2</b>	<b>15769</b>	<b>29%</b>	<b>\$ 8,690</b>
<b>New York, NY</b>	<b>32</b>	<b>234813</b>	<b>30%</b>	<b>\$ 7,788</b>
<b>Boston, MA</b>	<b>12</b>	<b>50368</b>	<b>25%</b>	<b>\$ 8,196</b>
<b>San Diego, CA</b>	<b>11</b>	<b>129263</b>	<b>27%</b>	<b>\$ 8,764</b>
<b>Baltimore, MD</b>	<b>10</b>	<b>64042</b>	<b>27%</b>	<b>\$ 7,573</b>

Table 2-18 Tech School Summary Metrics by MSA

TECHNICAL SCHOOLS IN DEFENSE MSAs WHICH OFFER COURSEWORK RELATED TO HIGH TECH PROGRAMS		High Tech Programs	Major Emphasis/program	Degrees or Cert. Level (2)	Non US Citizen Enrollment	Enrollment Fall 08	Avg Compl.*** see end of column	Tuition (Annual)	Out of state Tuition	Articulation Agreements w/ 4yr Univ.-SEE NOTES AT END OF COLUMN
Fort Wayne MSA:										
1	International Business College	Comp Info Sci, Eng Tech	Comp and Info Sci, Eng Tech, Health, Bus, Legal,	AS, BS	0%	629	74%	\$12,560		none known
2	ITT Technical Institute-Fort Wayne	CAD in Eng Tech, etc	Bus, Comm Tech, Computer Sci, Eng Tech, Security Visual Comm	AS, BS	0%	618	53%	\$16,356		none known
3	Ivy Tech Community College-Northeast	Drafting/Design	Bus, Comp Sci, Const, Educ, Eng Tech, Health, Mech Repair, Production, Security	Cert, AS	0%	7871	15%	\$2,930	\$5,879	Crossroads Partnership with IPFW ; Indiana Inst Tech accepts 58 crs.

Table 2-19 Fort Wayne

TECHNICAL SCHOOLS IN DEFENSE MSAs WHICH OFFER COURSEWORK RELATED TO HIGH TECH PROGRAMS		High Tech Programs	Major Emphasis/program	Degrees or Cert. Level (2)	Non US Citizen Enrollment	Enrollment Fall 08	Avg Compl.*** see end of column	Tuition (Annual)	Out of state Tuition	Articulation Agreements w/ 4yr Univ.-SEE NOTES AT END OF COLUMN
<b>Indianapolis MSA:</b>										
1	Harrison (Indiana Business) College-E Wash, Indianapolis	Comp Tech,CS Tech, Tele.	Bus, Comp, Eng tech, Health, Culinary, Security	AS, BS	0%	1889	33%	\$10,770		none known
2	International Business College-Indianapolis	Comp & Info Sciences, etc	Bus, Com/Info Sci, Com Prog, Com Tele, Health, Legal, Comm Art	AS, BS	0%	406	77%	\$12,810		none known
3	Ivy Tech Community College-Central Indiana	Eng Tech (drafting)	Biotech, Cus, Comp Info Sci, Constr, Educ, Eng Tech, Health, Legal, Mech/Repair, Prod/Vis. Comm, Security	Cert, AS	0%	16415	5%	2930	5879	Passport with IUPUI allows transfer of credit and some associate degreed students to enter as juniors (no obvious eng related AS degrees listed other than perhaps design tech).
4	TechSkills-Indianapolis	Comp & Info Sciences, etc	Comp Tech, Info Tech, Health	cert			3 month	1890		none known

Table 2-20 Indianapolis

<b>TECHNICAL SCHOOLS IN DEFENSE MSAs WHICH OFFER COURSEWORK RELATED TO HIGH TECH PROGRAMS</b>		High Tech Programs	Major Emphasis/program	Degrees or Cert. Level (2)	Non US Citizen Enrollment	Enrollment Fall 08	Avg Compl.*** see end of column	Tuition (Annual)	Out of state Tuition	Articulation Agreements w/ 4yr Univ.-SEE NOTES AT END OF COLUMN
<b>Phoenix MSA</b>										
1	<b>GateWay Community College</b> 108 N. 40th Street, Phoenix, Arizona 85034	Comp Info Sciences, Comp Info Tech Services, Comp Sys. Networking	Bus, Comp, Eng Tech, Health	Cert, AS	0%	6,853	13%	\$1,734	\$6,894	Arizona State MAPP agreement. Apparently Construction and Comp Info Systems programs can be transferred to the ASU Tempe campus as can numerous non -"high tech" type programs.
2	<b>Maricopa Skill Center</b> 1245 E Buckeye, Phoenix, Arizona 85034-4101	CAD/CADD	Bus, Eng, Health, Tech.	Cert	3%	576	100%	\$8,193	-	none known
3	<b>South Mountain Community College</b> 7050 S 24th St, Phoenix, Arizona 85040	Comp Info Sciences, Info Tech, Comp System	Bus, Comp, Ed.	Cert, AS	1%	5,138	13%	\$1,734	\$6,894	Arizona State MAPP agreement. Apparently Construction and Comp Info Systems programs can be transferred to the ASU Tempe campus as can numerous non -"high tech" type programs.
4	<b>Phoenix College</b> 1202 W Thomas Rd, Phoenix, Arizona 85013	CAD/CADD	Bus, Comp, Eng, Health	Cert, AS	1%	10,917	16%	\$1,734	\$6,894	Arizona State MAPP agreement. Apparently Construction and Comp Info Systems programs can be transferred to the ASU Tempe campus as can numerous non -"high tech" type programs.
5	<b>Anthem College-Phoenix</b> 1515 E Indian School Road, Phoenix, Arizona 85014	CAD/CADD	Bus, Comp, Eng, Health, Mechanic Tech , Security	AS, BS	0%	2,280	59%	\$23,274	-	none known
6	<b>ITT Technical Institute-Phoenix</b> 10220 North 25th Ave, Ste 100, Phoenix, Arizona 85021	CAD/CADD	Bus, Comp, Eng, Security	AS, BS	0%	126	-	\$16,356	-	none known
7	<b>Western International University</b> 9215 N Black Canyon Hwy, Phoenix, Arizona 85021		Bus, Health,Public Adm, Computer Sci, Security	Offers MS,	1%	2258;643	17%	\$8,760		none known
8	<b>Rio Salado College</b> 2323 W 14th St, Tempe, Arizona 85281	Comp Sys, Comp Info, Tele	Bus,Graphics, Eng Tech, Constr., Health, Culinary, Transportation, Security	Cert, AS	0%	19,186	45%	\$1,734	\$6,894	Arizona State MAPP agreement. Apparently Construction and Comp Info Systems programs can be transferred to the ASU Tempe campus as can numerous non -"high tech" type programs.
9	<b>ITT Technical Institute-Tempe</b> 5005 S. Wendler Drive, Tempe, Arizona 85282	CAD/CADD	Bus, Comp, Eng, Security	AS, BS	0%	803	51%	\$16,356	-	none known

Table 2-21 Phoenix

TECHNICAL SCHOOLS IN DEFENSE MSAs WHICH OFFER COURSEWORK RELATED TO HIGH TECH PROGRAMS		High Tech Programs	Major Emphasis/program	Degrees or Cert. Level (2)	Non US Citizen Enrollment	Enrollment Fall 08	Avg Compl.*** see end of column	Tuition (Annual)	Out of state Tuition	Articulation Agreements w/ 4yr Univ.-SEE NOTES AT END OF COLUMN
<b>Phoenix MSA (Cont)</b>										
10	<b>Glendale Community College</b> 6000 W Olive Ave, Glendale, Arizona 85302	CAD/CADD	Bus, Comp, Eng, Health, Security	Cert, AS	1%	18,228	22%	\$1,734	\$6,894	Arizona State MAPP agreement. Apparently Construction and Comp Info Systems programs can be transferred to the ASU Tempe campus as can numerous non-"high tech" type programs.
11	<b>Paradise Valley Community College</b> 18401 N 32nd St, Phoenix, Arizona 85032	Computer & Info Sciences	Bus, Comp Sci & Prog, Health, Liberal Arts, Security, Visu.& Comm.Arts	Cert, AS	1%	9,105	13%	\$1,734	\$6,894	Arizona State MAPP agreement. Apparently Construction and Comp Info Systems programs can be transferred to the ASU Tempe campus as can numerous non-"high tech" type programs.
12	<b>Mesa Community College</b> 1833 W Southern Ave, Mesa, Arizona 85202	CAD/CADD	Bus, Comp, Eng, Health, Security	Cert, AS	1%	23,825	11%	\$1,734	\$6,894	Arizona State MAPP agreement. Apparently Construction and Comp Info Systems programs can be transferred to the ASU Tempe campus as can numerous non-"high tech" type programs.
13	<b>East Valley Institute of Technology</b> 1601 W Main St, Mesa, Arizona 85201	drafting and design	Bus, Eng, Mechanic Tech, Health, Security	Cert	0%	207	92%	\$10,800	\$721	none known
14	<b>Scottsdale Community College</b> 9000 E Chaparral Rd, Scottsdale, Arizona 85256	CAD/CADD	Bus, Comp, Eng, Health,	Cert, AS	2%	10,077	16%	\$1,734	\$6,894	Arizona State MAPP agreement. Apparently Construction and Comp Info Systems programs can be transferred to the ASU Tempe campus as can numerous non-"high tech" type programs.
15	<b>Central Arizona College</b> 8470 N Overfield Rd, Coolidge, Arizona 85228-9778	Eng Tech, Comp	Bus, Comp Info, Constr, Eng Tech, Health, CFS, Security	Cert, AS	0%	5,865	26%	\$1,680	\$7,476	Arizona State MAPP agreement. Apparently accounting, spec ed, tourism

Table 2-22 Phoenix (Cont.)

<b>TECHNICAL SCHOOLS IN DEFENSE MSAs WHICH OFFER COURSEWORK RELATED TO HIGH TECH PROGRAMS</b>		High Tech Programs	Major Emphasis/program	Degrees or Cert. Level (2)	Non US Citizen Enrollment	Enrollment Fall 08	Avg Compl.*** see end of column	Tuition (Annual)	Out of state Tuition	Articulation Agreements w/ 4yr Univ.-SEE NOTES AT END OF COLUMN
<b>Salt Lake City MSA</b>										
1	<b>Latter-day Saints Business College</b> 95 North 300 West, Salt Lake City, Utah 84101-3500		Bus, Liberal Studies,							General Studies degree with 4-yr public Utah inst.
2	<b>Everest College-West Valley City</b> 3280 W 3500 S, West Valley City, Utah 84119-2632		Bus, Health, Legal, Security							none known
3	<b>Eagle Gate College</b> 5588 South Green Street, Murray, Utah 84123-6965	Comp Sci	Bus, Health, Comp. Sci, Graphic design, Security	AS	0%	406	49%	\$12,705	-	none known
4	<b>ITT Technical Institute-Murray</b> 920 W Levoy Dr, Murray, Utah 84123	CAD/CADD	Comm Tech, Eng Tech, Security, Computer Sci & support, graphic design	AS, BS	0%	661	32%	\$16,356	-	none known
5	<b>Salt Lake Community College</b> 4600 S Redwood Rd, Salt Lake City, Utah 84123	Eng & Eng Tech	Bus, Comm, Comp Sci & support, Constr, Eng Tech, Eng, Security, Sci Tech, Design, Production/Repair Tech	Cert, AS	1%	29,396	20%	\$2,660	\$8,374	Utah appears to be working on a program, but currently, it appears that courses can be transferred with approval, ie no official articulation program.
6	<b>Stevens-Henager College</b> 383 W Vine St, Murray, Utah 84123-5671	Comp Sci	Bus, Health, Comp Sci, Graphic Des	AS, BS, MS	0%	876	40%	\$18,000	-	none known

Table 2-173 Salt Lake City

<b>TECHNICAL SCHOOLS IN DEFENSE MSAs WHICH OFFER COURSEWORK RELATED TO HIGH TECH PROGRAMS</b>		High Tech Programs	Major Emphasis/program	Degrees or Cert. Level (2)	Non US Citizen Enrollment	Enrollment Fall 08	Avg Compl.*** see end of column	Tuition (Annual)	Out of state Tuition	Articulation Agreements w/ 4yr Univ.-SEE NOTES AT END OF COLUMN
<b>Cedar Rapids MSA</b>										
1	<b>Kaplan University-Cedar Rapids Campus</b> 3165 Edgewood Parkway SW, Cedar Rapids, Iowa 52404	Computer related	Bus, Com Info Tech, Health, Security	AS, BS	0%	528	28%	\$14,070	-	none known
2	<b>Kirkwood Community College</b> 6301 Kirkwood Blvd SW, Cedar Rapids, Iowa 52406-2068	CAD/CADD	Ag, Bus, Comp, Const, Eng Tech, CFS, Health, Culinary, Production & Repair, Security, Interior Design	Cert, AS	1%	15,241	30%	\$3,210	\$3,960	none known

Table 2-184 Cedar Rapids



<b>TECHNICAL SCHOOLS IN DEFENSE MSAs WHICH OFFER COURSEWORK RELATED TO HIGH TECH PROGRAMS</b>		High Tech Programs	Major Emphasis/program	Degrees or Cert. Level (2)	Non US Citizen Enrollment	Enrollment Fall 08	Avg Compl.*** see end of column	Tuition (Annual)	Out of state Tuition	Articulation Agreements w/ 4yr Univ.-SEE NOTES AT END OF COLUMN
<b>New York MSA</b>										
1	<b>Technical Career Institutes</b> 320 W 31st St, New York, New York 10001	Eng Tech and Comp related	Bus, Eng Tech, Com & info Sci, Health,	Cert, AS	1%	4064	19%	\$10,565	-	SUNY: Info Systems, Eng Tech
2	<b>Anthem Institute - Manhattan</b> 498 Seventh Avenue 17th Floor, New York, New York 10018	Computer related	Health , Ccmp & Info Systems Tech	Cert, AS	0%	859	47%	\$11,145	-	
3	<b>Katharine Gibbs School-New York City</b> 50 West 40 Street, New York, New York 10018	Comm Tech, Comp Info Sci	Bus, Comm Tech, Comp & info Sci, Health, Legal, Security, Visual Comm	Cert, AS	0%	655	28%	15,017		
4	<b>Wood Tobe-Coburn School</b> 8 E 40th St, New York, New York 10016-0190	Computer related	Bus, Com Prog, Health, Visual & Performing Arts	Cert, AS	0%	305	81%	15860	-	
5	<b>CUNY Borough of Manhattan Community College</b> 199 Chambers St, New York, New York 10007	Info Sci	Bus, Ed, Comp & Info Scie, Engl, Health, Communn Org, Visual& Perf Arts	AS	8%	21,858	11%	\$3,118	\$4,878	Art. Agreements with a number of institutions; ABET schools only identified, although no confirmation that ABET programs are specifically included: City College (NY), College of Staten Island, Hunter College, NYC College of Technology, Pace Univ, (and Polytechnic Univ-although apparently only with Liberal Arts)
6	<b>CUNY LaGuardia Community College</b> 31-10 Thomson Ave, Long Island City, New York 11101	Computer related	Bus, Comm, Comp & info Sci Prg, Educ, Eng, FCS, Health, Legal, Mech Repair, Visual & Perf Arts	Cert AS	15%	15,540	15%	\$3,142	\$4,902	Art. Agreements noted, but none appeared to be into any ABET programs (one perhaps-Pace Computer Science)
7	<b>ASA Institute of Business and Computer Technology</b> 151 Lawrence Street, Brooklyn, New York 11201	Computer related	Bus, Comp& info Sci, Health, Legal, Security	Cert, AS	7%	3,597	36%	\$11,549	-	
8	<b>CUNY New York City College of Technology</b> 300 Jay St, Brooklyn, New York 11201-298	CAD/CADD	Bus, Eng tech, FSC,Emp & Info Tech, PubAdm Legal, HEathl 2, Health, Sci Tech	AS, BS	6%	14,268	12%	\$4,339	\$8,979	
9	<b>Globe Institute of Technology</b> 291 Broadway, New York, New York 10007	Info Sci	Bus, Comp Prog Info Sci	AS, BS	4%	229	89%	\$11,139		
10	<b>Institute of Design and Construction</b> 141 Willoughby St, Brooklyn, New York 11201	CAD/CADD	Eng Tech	AS	1%	171	20%	7100		

Table 2-25 New York

TECHNICAL SCHOOLS IN DEFENSE MSAs WHICH OFFER COURSEWORK RELATED TO HIGH TECH PROGRAMS		High Tech Programs	Major Emphasis/program	Degrees or Cert. Level (2)	Non US Citizen Enrollment	Enrollment Fall 08	Avg Compl.*** see end of column	Tuition (Annual)	Out of state Tuition	Articulation Agreements w/ 4yr Univ.-SEE NOTES AT END OF COLUMN
<b>New York MSA (Cont)</b>										
11	<b>Hudson County Community College</b> 70 Sip Avenue, Jersey City, New Jersey 07306	Computer related	Bus, Comp Info, Eng, Eng Tech, Health, Security, culinary	Cert, AS	.23 ^	7,525	8%	3,753	9333 out-of-state; \$6543 for in-state (3753 is "in-district)	
12	<b>Vaughn College of Aeronautics and Technology</b> 86-01 23rd Avenue, Flushing, New York 11369	Eng Tech	Bus, Eng Tech, Transportation, Mech/Repair	AS, BS	3%	1,097	28%	15900		
13	<b>Essex County College</b> 303 University Ave, Newark, New Jersey 07102	Drafting/Design	Bio, Bus, Eng Tech, Engr, Health, Liberal Arts, Social Sci.	Cert, AS	9%	12,318	6%	3012	5292 out-of-state; \$5292for in-state not "in-district)	
14	<b>Bramson ORT College</b> 69-30 Austin St, Forest Hills, New York 11375	Comp Prog	Bus, Comp Info Sci, Health	Cert, AS	3%	674	19%	14690		
15	<b>CUNY Kingsborough Community College</b> 2001 Oriental Blvd, Brooklyn, New York 11235	Info Sci	Bus, Comp Info, Eng, Health, Liberal Arts, Mech/Repair, Comm Arts	Cert, AS	5%	15,739	22%	3150	4910	
16	<b>CUNY Hostos Community College</b> 500 Grand Concourse, Bronx, New York 10451	Eng & comp Sci	Bus, Comp Info, Eng, CFS, Health, Liberal Arts	Cert, AS	10%	5,532	8%	3155	4915	SUNY: Info Systems, Eng Tech
17	<b>Hohokus School-RETS Nutley</b> 103 Park Ave, Nutley, New Jersey 07110	Computer related	Bus, Comp Sci ,Eng Tech, Health	Cert	0%	453	76%	9681		
18	<b>CUNY Bronx Community College</b> W 181 St & University Ave, Bronx, New York 10453	Eng , Eng Tech	Bus, Comm Tech, Educ, Eng, Eng Tech, Comp Sci, Health, Liberal Arts, Mech/Repair, Community Org.	Cert, AS	6%	9,117	8%	\$3,154	4914	CUNY Bronx has Art. Agreements with a number of institutions; but none of the specific programs were into ABET programs, although there were ABET schools listed in art. Agreements.
19	<b>CUNY Queensborough Community College</b> 222-05 56th Ave, Bayside, New York 11364	CAD/CADD	Bus, Eng Tech, Eng, Health, Liberal Art, Comm. Art	Cert, AS	8%	13,752	13%	3140	4900	
20	<b>Union County College</b> 1033 Springfield Ave, Cranford, New Jersey 07016	Eng Tech, Eng	Bio, Bus, Comm, Eng Tech, Eng, Comp Sci, Health, Liberal Arts, Security	Cert, AS	3%	11,866	8%	2808	4968	

Table 2-26 New York (Cont.)

TECHNICAL SCHOOLS IN DEFENSE MSAs WHICH OFFER COURSEWORK RELATED TO HIGH TECH PROGRAMS		High Tech Programs	Major Emphasis/program	Degrees or Cert. Level (2)	Non US Citizen Enrollment	Enrollment Fall 08	Avg Compl.*** see end of column	Tuition (Annual)	Out of state Tuition	Articulation Agreements w/ 4yr Univ.-SEE NOTES AT END OF COLUMN
<b>New York MSA (Cont)</b>										
21	<b>Bergen Community College</b> 400 Paramus Rd, Paramus, New Jersey 07652	CAD/CADD	Bus, Comp Info, Eng Tech, Health, Liberal Arts, Security, Comm Art	Cert, AS	8%	15,283	10%	3165	6038 out-of-state; \$5798 for in-state not "in-district)	Art Agreement with NY Inst of Tech, Elec & Computer Eng ABET program
22	<b>Nassau Community College</b> One Education Dr, Garden City, New York 11530	Eng Tech, Eng	Interior Arch, Bus, Comp Info, Const, Educ, Eng, Eng Tech, Health, Liberal Arts, Security, Comm Art	Cert, AS	2%	21,952	20%	3857	7409	Art. Agreements noted: ABET programs at NY Institute of Technology (Electrical Eng, Mech Eng); SUNY Institute of Tech in Info Systems and Eng Tech.
23	<b>Anthem Institute-Parsippany</b> 959 Route 46 East, Parsippany, New Jersey 07054	CAD/CADD	Comp Scie, Eng Tech, Health	Cert	0%	501	74%	17709		
24	<b>Middlesex County College</b> 2600 Woodbridge Avenue, Edison, New Jersey 08818	Eng, Eng Tech	Bus, Comm Tech, Eng, Eng Tech, Health, Comp Sci, Liberal Arts, Sci Tech	Cert, AS	2%	12,381	13%	3312	6624	Art Agreements listed with Devry, and NY University, although no specific programs mentioned
25	<b>Brookdale Community College</b> 765 Newman Springs Rd, Lincroft, New Jersey 07738	CAD/CADD	Bus, Comm Tech, Comp Sci, Eng Tech, Eng, Health, Liberal Arts, Culinary, Security, Social Sciences	Cert, AS	1%	14,642	20%	\$3,274	6514 out-of-state; \$5914 for in-state not "in-district)	
26	<b>Farmingdale State College</b> 2350 Broadhollow Road, Farmingdale, New York 11735-	Eng, Eng Tech	Ag, Bus, Comm, Comp Info, Const, Eng Tech, Health, Security, Liberal Arts	AS, BS	1%	6,850	15%	5375	11635	
27	<b>SUNY Westchester Community College</b> 75 Grasslands Road, Valhalla, New York 10595	Computer related	Bus, Comm, Eng, Eng Tech, CFS, Health, Comp Sci, Mech/Repari, Liberal Arts, Visual Arts	Cert, AS	2%	12,613	11%	3913	9239	
28	<b>Anthem Institute-North Brunswick</b> US Route 1, South, North Brunswick, New Jersey 08902	CAD/CADD	Comp Security, Eng Tech, Health	Cert	0%	680	76%	18125		
29	<b>DeVry University-New Jersey</b> 630 US Hwy One, North Brunswick, New Jersey 08902	Eng Tech	Bus, Comp Sci, Eng Tech& Comm	AS, BS	2%	1,292	31%	14800		

Table 2-27 New York (Cont.)

<b>TECHNICAL SCHOOLS IN DEFENSE MSAs WHICH OFFER COURSEWORK RELATED TO HIGH TECH PROGRAMS</b>		High Tech Programs	Major Emphasis/program	Degrees or Cert. Level (2)	Non US Citizen Enrollment	Enrollment Fall 08	Avg Compl.*** see end of column	Tuition (Annual)	Out of state Tuition	Articulation Agreements w/ 4yr Univ.-SEE NOTES AT END OF COLUMN
<b>New York MSA (Cont)</b>										
30	<b>County College of Morris</b> 214 Center Grove Rd, Randolph, New Jersey 07869	CAD/CADD	Bus, Eng Tech, Health, Liberal Arts, Security, Visual & Graphic Arts	Cert, AS	2%	<b>8,441</b>	23%	3530	8900out-of- state; \$6500 for in-state not "in- district)	
31	<b>Island Drafting and Technical Institute</b> 128 Broadway Rte 110, Amityville, New York 11701	CAD/CADD	Eng Tech	Cert, AS	0%	<b>131</b>	67%	13100		
32	<b>Somerset County Technology Institute</b> 14 Vogt Drive, Bridgewater, New Jersey 08807	Eng Tech	Bus, Com Sci, Eng Tech, Health,Culinary, Production, Visual Arts	Cert	0%	<b>428</b>	45%	3650	7300	

Table 2-198 New York (Cont.)

<b>TECHNICAL SCHOOLS IN DEFENSE MSAs WHICH OFFER COURSEWORK RELATED TO HIGH TECH PROGRAMS</b>	High Tech Programs	Major Emphasis/program	Degrees or Cert. Level (2)	Non US Citizen Enrollment	Enrollment Fall 08	Avg Compl.*** see end of column	Tuition (Annual)	Out of state Tuition	Articulation Agreements w/ 4yr Univ.-SEE NOTES AT END OF COLUMN
<b>Boston MSA</b>									
1 <b>Benjamin Franklin Institute of Technology</b> 41 Berkeley St, Boston, Massachusetts 02116	CAD/CADD	Eng, Mechanic Technology	AS, BS	0%	536	31%	\$13,350	-	Northeastern, Wentworth Inst Tech, Boston Arch Center
2 <b>Bunker Hill Community College</b> 250 New Rutherford Ave, Boston, Massachusetts 02129-2925	Comp Systems	Bus, Comp, Eng, Health	Cert, AS	7%	9,497	10%	\$2,784	\$7,728	U MASS:Technical Education
3 <b>Kaplan Career Institute</b> 570 Rutherford Ave, Charlestown, Massachusetts 02129	Eng	Eng, Health	Cert	0%	594	68%	\$18,095	-	none known
4 <b>Roxbury Community College</b> 1234 Columbus Ave, Roxbury Crossing, Massachusetts 02120-3400	CAD/CADD	Bus, Comp, Eng, Health	Cert, AS	1%	2,482	6%	\$3,030	\$8,334	could find none of the ABET schools
5 <b>ITT Technical Institute-Woburn</b> 10 Forbes Road, Woburn, Massachusetts 01801	CAD/CADD	Comp, Eng	AS, BS	0%	487	32%	\$16,356	-	none known
6 <b>Massachusetts Bay Community College</b> 50 Oakland St, Wellesley Hills, Massachusetts 02481-5399	Drafting and Design	Bus, Comp, Eng, Health	Cert, AS	2%	5,118	15%	\$3,624	\$8,568	U MASS:Technical Education
7 <b>ITT Technical Institute-Norwood</b> 333 Providence Highway, Rte 1, Norwood, Massachusetts 02062-3932	CAD/CADD	Comp, Eng	AS, BS	0%	438	27%	\$16,356	-	none known

Table 2-209 Boston

<b>TECHNICAL SCHOOLS IN DEFENSE MSAs WHICH OFFER COURSEWORK RELATED TO HIGH TECH PROGRAMS</b>		High Tech Programs	Major Emphasis/program	Degrees or Cert. Level (2)	Non US Citizen Enrollment	Enrollment Fall 08	Avg Compl.*** see end of column	Tuition (Annual)	Out of state Tuition	Articulation Agreements w/ 4yr Univ.-SEE NOTES AT END OF COLUMN
<b>Boston MSA (Cont)</b>										
8	<b>Middlesex Community College</b> Springs Rd, Bedford, Massachusetts 01730-9124	CAD/CADD	Bus, Comp, Eng, Health	Cert, AS	1%	8,522	13%	\$3,218	\$8,162	could find none of the ABET schools
9	<b>North Shore Community College</b> 1 Ferncroft Rd, Danvers, Massachusetts 01923-0840	CAD/CADD	Bus, Comp, Eng, Health	Cert, AS	0%	7,224	19%	\$3,000	\$8,568	U MASS:Technical Education
10	<b>Massasoit Community College</b> One Massasoit Boulevard, Brockton, Massachusetts 02302-3996	Comp related?	Bus, Comp, Eng, Health	Cert, AS	0%	7,394	12%	\$2,808	\$7,752	U MASS:Technical Education
11	<b>Northern Essex Community College</b> 100 Elliott Street, Haverhill, Massachusetts 01830-2399	Drafting and Design	Bus, Comp, Eng, Health	Cert, AS	1%	7,020	14%	\$2,808	\$8,592	U MASS:Technical Education
12	<b>Salter College-West Boylston</b> 184 West Boylston Suite # 1, West Boylston, Massachusetts 01583	Eng	Eng, Health	Cert, AS	0%	1,056	52%	\$12,925	-	

Table 2-30 Boston (Cont.)

TECHNICAL SCHOOLS IN DEFENSE MSAs WHICH OFFER COURSEWORK RELATED TO HIGH TECH PROGRAMS		High Tech Programs	Major Emphasis/program	Degrees or Cert. Level (2)	Non US Citizen Enrollment	Enrollment Fall 08	Avg Compl.*** see end of column	Tuition (Annual)	Out of state Tuition	Articulation Agreements w/ 4yr Univ.-SEE NOTES AT END OF COLUMN
<b>San Diego MSA</b>										
1	<b>San Diego City College</b> 1313 Park Boulevard, San Diego, California 92101-4787	Drafting and Design	Bus, Comp, Eng	Cert, AS	0%	18,637	15%	\$512	\$4,808	
2	<b>Argosy University-San Diego</b> 1615 Murray Canyon Road, Suite 100, San Diego, California 92108	Comp related?	Comp, Eng, Health	AS	0%	175	-	\$17,652	-	
3	<b>California College-San Diego</b> 2820 Camino Del Rio South, Suite 300, San Diego, California 92108-3824	Comp related?	Comp, Eng, Health	AS, BS	0%	817	-	\$35,300	-	
4	<b>San Diego Mesa College</b> 7250 Mesa College Dr, San Diego, California 92111-4998	Drafting and Design	Bus, Comp, Eng, Health	Cert, AS	1%	23,059	21%	\$512	\$4,808	
5	<b>Coleman University</b> 8888 Balboa Ave, San Diego, California 92123-1506	Comp Graphics	Bus, Comp	AS, BS, MS	0%	532	41%	\$23,100	-	
6	<b>ITT Technical Institute-San Diego</b> 9680 Granite Ridge Dr, San Diego, California 92123	CAD/CADD	Comp, Eng	AS, BS	0%	1,190	47%	\$16,356	-	
7	<b>Southwestern College</b> 900 Otay Lakes Rd, Chula Vista, California 91910-7299	Drafting and Design	Bus, Comp, Eng	Cert, AS	13%	22,030	20%	\$598	\$5,078	
8	<b>Grossmont College</b> 8800 Grossmont College Dr, El Cajon, California 92020-1799	Comp related	Comp, Health	Cert, AS	4%	16,082	25%	\$625	\$5,352	
9	<b>Cuyamaca College</b> 900 Rancho San Diego Pky, El Cajon, California 92019	CAD/CADD	Comp, Eng	Cert, AS	0%	7,706	22%	\$625	\$5,352	
10	<b>Palomar College</b> 1140 W. Mission, San Marcos, California 92069	CAD/CADD	Bus, Comm, Comm tech, Constr, Eng Tech, Engr, Health, Repair, Security, Social Sci.	Cert, AS	1%	26,802	22%	\$605	5617	
11	<b>Miracosta College</b> One Barnard Drive, Oceanside, California 92056	CAD/CADD	Bus, Eng Tech, Comp Sci, CFS, Health, Lib Arts, Culinary, Sci Tech, Art	Cert, AS	1%	12,233	29%	524	4868	

Table 2-31 San Diego

TECHNICAL SCHOOLS IN DEFENSE MSAs WHICH OFFER COURSEWORK RELATED TO HIGH TECH PROGRAMS		High Tech Programs	Major Emphasis/program	Degrees or Cert. Level (2)	Non US Citizen Enrollment	Enrollment Fall 08	Avg Compl.*** see end of column	Tuition (Annual)	Out of state Tuition	Articulation Agreements w/ 4yr Univ.-SEE NOTES AT END OF COLUMN
<b>Baltimore MSA</b>										
1	<b>TESST College of Technology-Baltimore</b> 1520 S Caton Ave, Baltimore, Maryland 21227	Eng Tech	Eng Tech, Computer networking, Mechanic/Repair, Health, Bus	Cert, AS	0%	1,679	47%	\$14,340	-	none known
2	<b>Baltimore City Community College</b> 2901 Liberty Hts Ave, Baltimore, Maryland 21215	Drafting & Design	Eng, Eng Tech, Comp Prog, Bus, Health, Liberal Arts	Cert, AS	8%	6,898	5%	\$2,905	6502	
3	<b>The Community College of Baltimore County</b> 7201 Rossville Blvd., Baltimore, Maryland	CAD/CADD	Eng Tech, Educ, Comp, Health, Liberal Arts, Mech/Repair, Security, Comm. Arts	Cert, AS	2%	20,673	10%	\$2,686	\$4871 in-state & out of district; \$7132 out of state	
4	<b>TESST College of Technology-Towson</b> 803 Glen Eagles Ct, Towson, Maryland 21286		Eng Tech, Computer networking, Security Health, Bus	Cert, AS	0%	464	59%	\$14,160	-	none known
5	<b>ITT Technical Institute-Owings Mills</b> 11301 Red Run Blvd, Owings Mills, Maryland	CAD/CADD	Comp Sci, Eng Tech,	AS, BS	0%	998	not in operati	\$16,356	-	
6	<b>Howard Community College</b> 10901 Little Patuxent Pkwy, Columbia, Maryland 21044	Draft/Design	Bus, Educ, Eng Tech, Eng, Health, Liberal Arts,	Cert, AS	6%	7,905	12%	\$3,993	\$6483 in-state but out of district; \$7833 out of state	Information Systems Mgmt, Applied Info Technology agreement w/Univ Maryland Baltimore (an ABET program). non-abet (eg Liberal Arts) agreements with many universities
7	<b>Anne Arundel Community College</b> 101 College Pky, Arnold, Maryland 21012	CAD/CADD	Bus, Comp, Educ, Eng Tech, Eng, CFS, Health, Liberal Arts, Security	Cert, AS	1%	15,149	13%	\$2,860	\$5230 in-state but out of district; \$9040 out of state	with Catholic Univeristy in Wash DC-eng program. Also, some non-ABETprograms such as physical therapy (eg health related with Univ Maryland at Baltimore)
8	<b>TESST College of Technology-Beltsville</b> 4600 Powder Mill Rd, Beltsville, Maryland 20705	Eng Tech	Computer, Constr, Health, Eng Tech, Security	Cert, AS	0%	725	68%	\$13,670	-	none known
9	<b>Harford Community College</b> 401 Thomas Run Rd, Bel Air, Maryland 21015	CAD/CADD	Bus, Educ, Eng, Eng Tech, Health, Liberal Arts, Design Arts	Cert, AS	1%	6,091	16%	\$2,033	\$3881 in-state but out of district; \$5729 out of state	none known
10	<b>Carroll Community College</b> 1601 Washington Rd, Westminster, Maryland 21157	CAD/CADD	Bus, Eng Tech, CFS, Computer Graphics, Health, Liberal Arts	Cert, AS	0%	3,460	17%	\$2,725	\$3940 in-state but out of district; \$5540 out of state	Some articulation agreements noted, but none specifically in Eng or Eng Tech programs. The "closest" high tech art. Agreement was with Univ Baltimore in Computer Graphics

Table 2-32 Baltimore



### 2.1.4. New Tech High Schools

In 2009, the Northeast Indiana Community Partnership was awarded a Lilly Endowment for their Talent Opportunity Success (TOPS) 2015 proposal, which focused on the development and retention of regional of intellectual talent in the Defense and Advanced manufacturing business sectors. One of the primary initiatives to be undertaken with the endowment is to provide seed funding for the development of New Tech High Schools. A New Tech High School’s discriminating features include:

- Project based learning instruction – A “real world” environment where students have the opportunity to apply their science and math skills and collaborate with local industry partners to execute technical projects
- High Tech Laboratories – Emulating “real world” working environment with the latest computer technology, software tools and computer aided design and manufacturing systems

As shown in Table 2-33, the Fort Wayne MSA has already established one New Tech High School, and has plans to establish five more (for a total of 6) in the next three years. This will place Fort Wayne in a leadership position amongst the eight other MSA’s selected for this asset study.

Current NewTech High Schools				NewTech HS
MSA COMPARISON AREAS:				
	2008-09	State	#	
1	Fort Wayne	IN	1	Wayne
2	Phoenix-Mesa-Scottsdale	AZ	0	
3	San Diego-Carlsbad-San Marcos	CA	0	
4	Indianapolis-Carmel	IN	3	Arsenal, Indianapolis; Decatur, Indianapolis; Triton, Shelby County
5	Cedar Rapids	IO	0	
6	Boston-Cambridge-Quincy, MA-NH	MA	0	
7	Baltimore-Towson, MD	MD	0	
8	New York-Northern New Jersey-Long Island, NY-NJ-PA	NY	0	
9	Salt Lake City	UT	0	

Table 2-33 Current NewTech High Schools

### 2.1.5. Educational Attainment

Table 2-34 provides a summary of educational attainment (2007 data) for the Fort Wayne MSA, and the eight (8) comparison MSA's. The top of the table contains quantitative data, and the bottom portion provides the relative percentage of the MSA population which has attained the specified level of education. As indicated by the data, Fort Wayne leads the group with the highest percentage of High School graduates, but generally lags the group when examining post high-school education.

EDUCATIONAL ATTAINMENT FOR THE POPULATION AGE 25 AND OVER									
2007 ACS									
BY NUMBER									
MSA's:	Fort Wayne	Phoenix-Mesa-Scottsdale	San Diego-Carlsbad-San Marcos	Indianapolis-Carmel	Cedar Rapids	Boston-Cambridge-Quincy, MA-NH	Baltimore-Towson, MD	New York-Northern New Jersey-Long Island, NY-NJ-PA	Salt Lake City, UT
Highest Level of Educational Attainment:									
Less than HS	31,862	441,631	279,882	138,816	11,098	309,854	237,046	2,029,428	74,928
High School Diploma	91,418	693,958	397,556	337,568	54,769	793,853	494,041	3,582,705	170,130
Some college	53,992	612,813	427,407	219,824	38,381	454,726	337,371	1,801,096	166,740
Associate Degree	25,126	208,789	150,945	74,281	18,329	211,441	111,526	801,039	52,645
Bachelor Degree	43,467	463,919	400,873	218,991	33,978	723,893	332,800	2,632,378	125,611
Masters, PhD, Professional	19,122	245,365	231,123	114,088	12,674	547,300	257,074	1,800,802	67,556
	264,987	2,666,475	1,887,786	1,103,568	169,229	3,041,067	1,769,858	12,647,448	657,610
	BY Percentage of Population Age 25 and Over								
Less than HS	12.0%	16.6%	14.8%	12.6%	6.6%	10.2%	13.4%	16.0%	11.4%
High School Diploma	34.5%	26.0%	21.1%	30.6%	32.4%	26.1%	27.9%	28.3%	25.9%
Some college	20.4%	23.0%	22.6%	19.9%	22.7%	15.0%	19.1%	14.2%	25.4%
Associate Degree	9.5%	7.8%	8.0%	6.7%	10.8%	7.0%	6.3%	6.3%	8.0%
Bachelor Degree	16.4%	17.4%	21.2%	19.8%	20.1%	23.8%	18.8%	20.8%	19.1%
Masters, PhD, Professional	7.2%	9.2%	12.2%	10.3%	7.5%	18.0%	14.5%	14.2%	10.3%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 2-34 Educational Attainment

## 2.2. Business Environment

### 2.2.1. Engineering Wages

Table 2-35 provides 2008 summary data of High Tech and Defense related professional and skilled labor occupations, mean annual salary and the quantitative number of residents employed on the specific SOC code. The data reinforces the assertion that the Fort Wayne High Tech and Defense labor market is very competitive.

Occupation Engineer:	SOC CODE	Fort Wayne, IN MSA		Indianapolis-Carmel MSA		Phoenix-Mesa- Scottsdale MSA		San Diego-Carlsbad-San Marcos MSA		Baltimore-Towson, MD MSA		Cedar Rapids, IA MSA		Boston-Cambridge- Quincy, MA-NH MSA		New York-Northern New Jersey-Long Island, NY-NJ-PA MSA		Salt Lake City, UT	
		Mean Annual	Number Employed in MSA	Mean Annual	Number Employed in MSA	Mean Annual	Number Employed in MSA	Mean Annual	Number Employed in MSA	Mean Annual	Number Employed in MSA	Mean Annual	Number Employed in MSA	Mean Annual	Number Employed in MSA	Mean Annual	Number Employed in MSA	Mean Annual	Number Employed in MSA
Aerospace Engineers	17-2011	-	-	\$88,060	not released	\$77,430	1530	\$100,710	1,290	\$118,200	990	-	-	\$104,930	490	\$93,930	410	\$83,860	120
Biomedical Engineers	17-2031	-	-	\$55,740	not released	\$51,510	60	\$79,930	not released	\$77,540	260	-	-	\$96,110	1,110	\$79,110	690	\$76,580	220
Chemical Engineers	17-2041	-	-	\$85,600	240	\$78,780	180	\$89,810	240	\$98,120	440	-	-	\$89,400	1,320	\$92,270	1,750	\$89,390	90
Civil Engineers	17-2051	\$59,950	140	\$73,440	1680	\$77,750	2960	\$80,540	3,500	\$77,780	3,060	\$76,590	180	\$86,310	6,550	\$84,470	11,790	\$71,030	1,300
Computer Hardware Engineers	17-2061	-	-	\$77,010	40	-	-	\$80,350	1610	\$96,120	nr	\$72,030	40	\$110,030	4,320	\$118,000	3,450	-	-
Electrical Engineers	17-2071	\$79,580	490	\$76,350	670	\$82,050	3160	\$94,250	1,700	\$89,240	2,110	-	-	\$101,630	nr	\$90,910	7,700	\$79,380	550
Electronics Engineers Except Computer	17-2072	\$81,060	290	\$74,430	720	\$76,940	2720	\$98,770	4,310	\$87,890	2,040	\$76,100	120	\$96,300	4,240	\$98,090	6,810	\$85,340	460
Health and Safety Engs, Except Mining Safety Engs &	17-2111	-	-	\$60,530	340	\$77,180	-	\$84,990	210	\$70,570	310	-	-	\$89,200	780	\$77,690	1,150	\$57,810	270
Industrial Engineers	17-2112	\$64,450	430	\$72,500	1450	\$78,480	3270	\$77,910	1,840	\$86,200	1,330	\$70,860	380	\$83,260	5,710	\$84,150	5,530	\$77,160	1,160
Material Engineers	17-2131	\$62,290	90	\$61,190	260	\$81,380	690	\$89,160	180	\$108,210	nr	\$72,620	60	\$86,750	440	\$86,430	910	\$75,840	200
Mechanical Engineers	17-2141	\$61,550	700	\$69,170	1,540	\$74,650	3,200	\$81,370	2,820	\$86,780	2,250	\$73,890	240	\$87,650	7,110	\$83,950	9,220	\$73,660	1,280
Engineers, All other	17-2199	\$60,930	30	\$65,900	not released	\$82,720	1,800	\$93,000	3,740	\$82,790	3,200	\$56,180	60	\$93,550	3,920	\$91,420	3,570	\$75,850	210
Aerospace Engineering & Oper. Tech.		-	-	\$61,040	60	\$59,910	50	\$61,830	not released	\$59,740	nr	-	-	-	-	-	-	-	-
Civil Engineerer Technician Electrical & Electronics	17-3022	-	-	\$48,490	420	\$44,840	1,830	\$53,350	670	\$48,340	1,630	\$37,820	80	\$55,200	530	\$52,430	2,020	-	-
Engineering Technicians	17-3023	\$51,500	190	\$52,990	800	\$51,150	4,630	\$58,430	2,600	\$58,170	1,720	\$51,520	950	\$55,810	nr	\$58,510	7,330	\$45,240	1,000
Electro-Mechanical Technician Industrial Engineering	17-3024	-	-	\$44,300	60	\$43,380	240	\$47,030	410	\$48,730	nr	-	-	\$47,720	680	\$52,540	630	-	-
Technician Mechanical Engineering	17-3026	\$50,390	240	\$48,450	320	\$38,960	1,610	\$60,300	710	\$48,980	340	-	-	\$51,950	2,060	\$57,950	1,130	\$46,140	190
Technician	17-3029	\$42,970	50	\$45,250	240	\$50,760	610	\$47,780	900	\$50,200	500	\$47,590	90	\$53,320	1,530	\$52,600	1,180	\$47,290	300
Engineering Technicians, Except Drafters, all others	17-3029	\$54,770	90	\$52,490	340	\$57,740	620	\$53,830	1,350	\$60,930	1530	-	-	\$56,650	930	\$58,370	1,370	-	-

Table 2-3521 Engineering and Skilled Labor Wages

		Fort Wayne, IN MSA		Indianapolis-Carmel MSA		Phoenix-Mesa-Scottsdale MSA		San Diego-Carlsbad-San Marcos MSA		Baltimore-Towson, MD MSA		Cedar Rapids, IA MSA		Boston-Cambridge-Quincy, MA-NH MSA		New York-Northern New Jersey-Long Island, NY-NJ-PA MSA		Salt Lake City, UT	
Occupation	SOC CODE	Mean Annual	Number Employed in MSA	Mean Annual	Number Employed in MSA	Mean Annual	Number Employed in MSA	Mean Annual	Number Employed in MSA	Mean Annual	Number Employed in MSA	Mean Annual	Number Employed in MSA	Mean Annual	Number Employed in MSA	Mean Annual	Number Employed in MSA	Mean Annual	Number Employed in MSA
<b>Computer &amp; Mathematical Science:</b>																			
Computer Programmers	15-1021	\$66,720	310	\$72,020	3,140	\$71,340	7,110	\$76,770	2,970	\$76,590	3840	\$58,620	530	\$81,910	9,260	\$79,010	40,130	\$76,410	4,270
Computer Software Engineers, Applications	15-1031	\$83,210	830	\$73,210	2,830	\$73,790	6,150	\$86,560	6,220	\$94,870	4860	\$74,530	1,630	\$99,980	23,860	\$93,550	43,860	\$78,210	2,890
Computer Software Engineers, Systems Software	15-1032	\$76,660	570	\$78,750	1,810	\$81,070	3,700	\$96,040	4,290	\$100,130	6100	\$75,910	1,370	\$101,360	26,670	\$101,710	21,720	\$82,130	3,490
Computer Support Specialists	15-1041	\$45,010	740	\$43,210	3,730	\$49,580	9,450	\$46,970	6,300	\$50,470	5990	\$48,920	460	\$60,750	15,510	\$54,570	35,570	\$44,660	3,990
<b>"SKILLED LABOR" selected occupations based on NAICS MAJOR OCCUPATIONS</b>																			
1st-Line Supervisors of Prod. & Operating Workers	51-1011	\$53,090	1,670	\$53,810	4,740	\$50,770	6,820	\$58,320	4,450	\$56,250	4,350	\$59,720	730	\$58,660	9,070	\$59,910	24,500	\$51,950	3,080
Electrical and Electronic Equipment Assemblers	51-2022	\$29,200	660	\$26,880	1,340	\$36,270	5,960	\$27,110	2,330	\$35,190	1,290	\$34,940	170	\$33,070	7,600	\$30,720	8,180	\$30,190	1,240
Electromechanical Equipment Assemblers	51-2023	\$33,240	190	\$28,600	90	\$29,010	1,260	\$31,250	880	\$39,290	90	-	-	\$33,920	3,020	\$31,430	2,960	-	-
Team Assemblers	51-2092	\$27,710	3,000	\$27,170	7,750	\$24,700	13,410	\$24,770	10,490	\$29,360	5,860	\$30,550	1,820	\$29,130	9,380	\$24,800	24,570	\$30,330	5,090
Machinists	51-4041	\$34,760	1,470	\$39,520	3,180	\$35,390	4,090	\$39,590	3,340	\$43,990	2,710	\$37,240	410	\$42,090	5,740	\$41,060	9,370	\$37,370	1,720
Inspectors, Testers, Sorters, Samplers, Weighers	51-9061	\$31,660	1,480	\$34,490	4,300	\$33,580	5,180	\$34,880	3,970	\$40,030	2,500	\$35,240	300	\$38,780	5,540	\$34,910	16,500	\$33,190	2,010

Table 2-36 Engineering and Skilled Labor Wages (Cont.)

## 2.2.2. Cost of Living Index

Table 2-37 provides normalized data regarding Cost of Living, Cost of Housing and Cost of Utilities for Fort Wayne and the eight other MSA's. A score of 100 reflects the mean, a score of less than 100 translates to less expensive MSA than the mean, and a score of greater than 100 translates into a more expensive (as compared to the mean) are to live and work. In general, Fort Wayne is among the lowest of the MSAs researched for this report, and is below the mean (score of < 100) for all three cost of living metrics.

COST OF LIVING/AVERAGE COSTS AND RELATED COMPARISON DATA									
1. ACCRA COST OF LIVING INDICES: TOTAL INDEX, UTILITIES, AND HOUSING*									
* note Housing is based on the cost of a new home, with well-defined amenities (sq ft, number of bedrooms, etc). It is NOT median sales price of existing homes.									
State	MSA	subset	Cost of living		Housing		Utilities		
			From 2009 Quarter 2 Accra Cost of Living Index						
			out of 320 reporting MSAs						
			Index	Rank	Index	Rank	Index	Rank	
Indiana	Fort Wayne		92.8	117	90.3	188	86.4	57	
Indiana	Indianapolis		89.1	49	82.4	111	86.3	55	
Arizona	Phoenix		99.2	215	96.9	218	88.3	68	
Iowa	Cedar Rapids		91.1	279	80.5	92	91.0	103	
Utah	Salt Lake City		100.0	227	106.6	251	69.9	1	
part of NY NY PA MSA	New York	New York-White Plains-Wayne	144.6	311	131.5	278	214.5	320	
part of NY NY PA MSA	New York	New York-White Plains-Wayne	176.4	319	305.2	319	153.1	317	
part of NY NY PA MSA	New York	New York-White Plains-Wayne	217.5	320	402.5	320	146.7	315	
part of NY NY PA MSA	New York	New York-White Plains-Wayne	157.7	316	231.0	314	158.0	318	
part of NY NY PA MSA	New Jersey	New York-White Plains-Wayne	128.7	302	169.1	305	119.3	277	
Massachusetts	Boston		132.5	304	147.0	295	163.4	319	
California	San Diego		134.0	307	203.7	309	90.7	99	
Maryland	Baltimore		122.5	293	163.2	302	121.5	291	

Table 2-37 Cost of Living Index

## 2.2.3. Commute Time

Commute time is another significant quality of life metric we examine across the other MSA's. Nearly 50% of all Fort Wayne area commuters spend less than 20 minutes commuting to their employer. A full 80% of Fort Wayne commuters spend less than 30 minutes in transit. Amongst the comparison MSA's, Fort Wayne ranks 2<sup>nd</sup> in this category.

Commute Time	MSA:							
PERCENT SUMMARIZED	Baltimore	Boston	Cedar Rapids	Fort Wayne	Indianapolis	New York	Phoenix	Salt Lake City
Less than 9 minutes	8.9%	10.6%	23.6%	12.0%	12.6%	8.6%	10.0%	10.8%
10 to 19	24.9%	24.5%	37.7%	36.3%	28.3%	20.5%	26.2%	35.0%
20-29	21.6%	18.8%	20.0%	30.7%	25.3%	16.4%	21.2%	26.4%
30-39	19.4%	19.0%	9.8%	12.3%	18.6%	17.7%	21.2%	16.4%
40-59	14.3%	16.2%	6.0%	5.9%	10.8%	17.0%	13.9%	7.5%
1 hour or more	10.9%	10.9%	3.1%	2.8%	4.3%	19.9%	7.6%	4.0%

Table 2-228 Commute Time

## 2.2.4. Taxes

The tax structure is a significant metric in comparing MSA's positioning for organic business growth. As can be seen in the following six tables (Table 2-39 thru Table 2-44) Indiana ranks favorably (generally in the top 3<sup>rd</sup>) of the comparison MSA's. Data was collected from The Tax Foundation (<http://www.taxfoundation.org>).

	2009 BUSINESS TAX CLIMATE INDEX- SCORE*	2009 BUSINESS TAX CLIMATE INDEX- RANK AMONG STATES		
UTAH	5.98	11		
<b>INDIANA</b>	5.91	14		
ARIZONA	5.27	22		
MAS SACHUS ETTS	5.03	32		
WAS HINGTON, D.C.	4.55	N/A		
IOWA	4.37	44		
MARYLAND	4.33	45		
CALIFORNIA	4.15	48		
NEW YORK	4.02	49		
*THE HIGHER THE SCORE THE MORE FAVORABLE THE TAX CLIMATE IS FOR BUSINESS				

Table 2-39 2009 Business Tax Climate

	<b>2009 CORPORATE TAX INDEX SCORE*</b>	<b>2009 CORPORATE TAX INDEX RANK AMONG STATES</b>		
UTAH	6.04	6		
MARYLAND	5.59	14		
NEW YORK	5.22	22		
<b>INDIANA</b>	5.19	23		
ARIZONA	5.12	24		
WASHINGTON, D.C.	4.59	N/A		
KENTUCKY	4.51	38		
CALIFORNIA	4.28	45		
IOWA	4.28	46		
MASSACHUSETTS	4.17	47		
*THE HIGHER THE SCORE THE MORE FAVORABLE THE TAX CLIMATE IS FOR BUSINESS				

Table 2-40 2009 Corporate Taxes

	<b>2009 INDIVIDUAL INCOME TAX INDEX- SCORE*</b>	<b>2009 INDIVIDUAL INCOME TAX INDEX Rank Among States</b>		
<b>INDIANA</b>	6.72	11		
UTAH	6.59	13		
MASSACHUSETTS	6.41	16		
ARIZONA	5.14	23		
WASHINGTON, D.C.	4.40	N/A		
NEW YORK	4.22	43		
IOWA	3.70	46		
CALIFORNIA	2.51	49		
MARYLAND	2.06	50		
*THE HIGHER THE SCORE THE MORE FAVORABLE THE TAX CLIMATE IS FOR BUSINESS				

Table 2-23 2009 Individual Income Tax Index

	<b>2009 SALES TAX INDEX SCORE*</b>	<b>2009 SALES TAX INDEX Rank Among States</b>		
MASSACHUSETTS	6.03	9		
MARYLAND	5.95	10		
<b>INDIANA</b>	5.40	19		
UTAH	5.21	23		
IOWA	5.13	26		
WASHINGTON, D.C.	4.64	N/A		
CALIFORNIA	4.34	43		
ARIZONA	4.19	45		
NEW YORK	2.99	49		
<b>*THE HIGHER THE SCORE THE MORE FAVORABLE THE TAX CLIMATE IS FOR BUSINESS</b>				

Table 2-242 2009 Sales Tax Index

	<b>2009 UNEMPLOYMENT INSURANCE TAX INDEX-SCORE*</b>	<b>2009 UNEMPLOYMENT INSURANCE TAX INDEX-RANK AMONG STATES</b>		
ARIZONA	6.41	2		
<b>INDIANA</b>	5.62	13		
CALIFORNIA	5.47	16		
WASHINGTON, D.C.	5.02	N/A		
UTAH	4.94	27		
MARYLAND	4.79	31		
IOWA	4.66	35		
NEW YORK	4.03	44		
MASSACHUSETTS	3.04	49		
<b>*THE HIGHER THE SCORE THE MORE FAVORABLE THE TAX CLIMATE IS FOR BUSINESS</b>				

Table 2-253 2009 Unemployment Insurance Tax Index



	2009 PROPERTY TAX INDEX-SCORE*	2009 PROPERTY TAX INDEX-Rank among States		
UTAH	6.64	2		
ARIZONA	6.41	4		
<b>INDIANA</b>	6.27	7		
CALIFORNIA	5.82	15		
KENTUCKY	5.43	20		
MICHIGAN	5.16	25		
IOWA	4.48	33		
MARYLAND	4.79	31		
WASHINGTON, D.C.	4.29	N/A		
ILLINOIS	4.02	41		
MASSACHUSETTS	3.59	44		
NEW YORK	3.57	45		
OHIO	3.55	46		
*THE HIGHER THE SCORE THE MORE FAVORABLE THE TAX CLIMATE IS FOR BUSINESS				

Table 2-44 2009 Property Tax Index

### 3. Northeast Indiana Defense Business

In this section of the NEIN Asset Map report, we examine the current state of Defense business in the Northeast Indiana region. We examine the following metrics:

- GFY 2007/2008 State Rankings – Indiana’s Dept. of Defense contract awards are compared to all 50 states
- GFY 2007/2008 Northeast Indiana County totals – The GFY 2007/2008 data is delineated by NEIN county
- Northeast Indiana DoD Customer Base – The NEIN DoD data is further delineated by DoD Customer
- Northeast Indiana Business Diversity – Classification of NEIN companies who won prime contracts with the DoD in GFY 2007/2008 (Small Business, Woman-Owned Business, Veteran-Owned, 8a, etc.)
- GFY 2007/2008 NEIN DoD Contracts by Claimant Code – Examines the various types of goods and services procured by the DoD in Northeast Indiana
- Names of NEIN Companies who were awarded DoD Prime Contracts in GFY 2007/2008 – A listing of regional companies who have been awarded DoD Contracts

As can be seen in Table 3-1, Indiana ranks 16<sup>th</sup> amongst the 50 states in regards to total DoD procurements, at approximately \$5 Billion per year. Of the \$5B, approximately 10% in GFY 2007 and then 17% in GFY 2008 was awarded to NEIN companies. The vast majority of this business is the procurement of Tactical Communications and Electronics Equipment by the Department of the Army, with companies in Allen County.

### 3.1. GFY 2007/2008 State Ranking of DoD Procurements

Rank	State	GFY 2007	GFY 2008
1	VIRGINIA	\$38,333,679,854	\$36,683,488,980
2	CALIFORNIA	\$36,294,969,986	\$31,596,207,788
3	TEXAS	\$32,826,447,124	\$32,233,355,369
4	MARYLAND	\$14,170,476,583	\$12,051,953,896
5	MASSACHUSETTS	\$11,678,035,366	\$10,294,359,291
6	FLORIDA	\$11,159,016,810	\$9,248,817,824
7	MISSOURI	\$10,005,674,446	\$10,394,453,974
8	CONNECTICUT	\$8,270,584,092	\$10,044,382,605
9	ARIZONA	\$7,904,343,231	\$9,247,866,228
10	PENNSYLVANIA	\$8,687,053,782	\$8,102,502,380
11	NEW YORK	\$7,379,406,410	\$6,636,240,852
12	ALABAMA	\$7,295,986,770	\$5,561,243,141
13	NEW JERSEY	\$6,781,880,020	\$4,888,232,779
14	ILLINOIS	\$4,485,412,838	\$6,504,790,808
15	COLORADO	\$5,599,760,959	\$4,520,210,649
16	INDIANA	\$5,139,441,551	\$4,848,913,154
17	OHIO	\$5,767,209,290	\$4,029,931,439
18	MICHIGAN	\$5,013,088,481	\$4,213,651,065
19	GEORGIA	\$4,484,859,721	\$4,691,197,388
20	MISSISSIPPI	\$3,938,512,016	\$3,621,921,551
21	WISCONSIN	\$3,366,069,886	\$2,387,534,731
22	MINNESOTA	\$3,044,380,572	\$2,558,203,147
23	WASHINGTON	\$3,014,027,783	\$2,552,457,334
24	SOUTH CAROLINA	\$2,806,991,314	\$2,388,558,149
25	KENTUCKY	\$1,456,913,743	\$3,503,507,048
26	TENNESSEE	\$3,157,246,930	\$1,325,943,823
27	LOUISIANA	\$1,866,824,249	\$2,349,496,428
28	UTAH	\$2,819,699,113	\$1,230,155,556
29	ALASKA	\$2,213,839,448	\$1,734,300,333
30	KANSAS	\$1,392,573,956	\$1,876,937,814
31	NORTH CAROLINA	\$1,618,883,111	\$1,371,747,505
32	OKLAHOMA	\$1,517,296,855	\$1,399,485,855
	DISTRICT OF COLUMBIA	\$1,348,468,171	\$1,429,264,088
33	NEW HAMPSHIRE	\$1,546,538,699	\$1,097,973,252
34	NEW HAMPSHIRE	\$1,546,538,699	\$1,097,973,252
35	IOWA	\$1,481,750,071	\$934,309,076
36	NEW MEXICO	\$1,264,292,263	\$959,361,739
37	HAWAII	\$1,214,128,035	\$833,123,127
38	OREGON	\$979,355,438	\$830,753,495
39	MAINE	\$1,281,265,569	\$407,539,387
40	VERMONT	\$1,059,241,430	\$402,055,604
41	NEVADA	\$676,843,074	\$554,176,178
42	NEBRASKA	\$532,431,111	\$620,783,153
43	IDAHO	\$441,926,690	\$247,863,526
44	RHODE ISLAND	\$305,283,521	\$322,224,913
45	SOUTH DAKOTA	\$259,213,283	\$231,188,035
46	ARKANSAS	\$262,466,909	\$225,782,575
47	NORTH DAKOTA	\$288,519,718	\$89,893,948
48	WEST VIRGINIA	\$170,239,798	\$178,576,193
49	MONTANA	\$158,800,133	\$116,806,797
50	DELAWARE	\$104,645,041	\$118,489,080
51	WYOMING	\$39,328,011	\$17,034,168
	Total	\$276,905,323,255	\$253,709,247,218

Table 3-1 GFY 2007/2008 State Rankings DoD Procurements

**3.2. GFY 2007 & 2008 Northeast Indiana County Totals**

<b>County</b>	<b>GFY 2007</b>	<b>GFY 2008</b>
Adams	\$ -	\$ 33,580
Allen	\$ 429,989,625	\$ 827,416,865
De Kalb	\$ -	\$ 2,553
Grant	\$ 2,627,962	\$ 1,415,644
Huntington	\$ 311,485	\$ 503,153
Noble	\$ 16,399	\$ 8,050
Steuben	\$ 273,707	\$ 365,402
Wabash	\$ 95,209	\$ 30,289
Wells	\$ 42,192	\$ (1,372)
Whitley	\$ 46,569,743	\$ 30,267,433

Table 3-2 GFY 2007/2008 NEIN County Totals

<b>GFY 2007</b>	<b>GFY 2008</b>
\$479,926,322	\$860,041,597

Table 3-3 NEIN Regional Totals

### 3.3. *Northeast Indiana DoD Customer Base*

<b>DoD Agency</b>	<b>GFY 2007</b>	<b>GFY 2008</b>
DEFENSE COMMISSARY AGENCY	\$ 162,080	\$ 67,511
DEFENSE FINANCE AND ACCOUNTING SERVICE	\$ -	\$ 9,823
DEFENSE INFORMATION SYSTEMS AGENCY	\$ 151,343	\$ 94,809
Defense Security Assistance Agency	\$ -	\$ 5,800
Department of the Air Force	\$ 28,352,276	\$ 27,860,380
Department of the Army	\$ 354,522,538	\$ 748,917,836
Department of the Navy	\$ 76,921,549	\$ 71,349,946
U.S. SPECIAL OPERATIONS COMMAND	\$ 3,850	\$ 11,735,492

Table 3-4 NEI DoD Customer Base

### 3.4. *NEIN Business Diversity*

Type Business	GFY 2007	GFY 2008
Small Business	38	Category not reported in 2008
Women Owned	7	9
Veteran Owned	19	25
Minority Owned	4	4
Very Small Business	4	6
8a Firm	1	1
Non Profit	1	1
State Government	0	0

Table 3-5 NEIN Business Diversity

### 3.5. *GFY 2007 & 2008 Contracts Awarded to NEIN Companies by DoD Claimant Code*

<b>DoD Claimant Code</b>	<b>GFY 2007</b>	<b>GFY 2008</b>
Aircraft Engines and Related Spares and Spare Parts	\$ 2,250,740	\$ 3,189,820
Airframes and Related Assemblies and Spares	\$ 19,177,421	\$ 3,349,586
All Others Not Identifiable to Any Other Procurement Program	\$ 13,203,958	\$ 9,552,176
Ammunition	\$ 1,518,495	\$ 214,080
Building Supplies	\$ 59,670	
Combat Vehicles	\$ 837,087	\$ 23,475
Construction	\$ 1,880,982	\$ 1,459,370
Construction Equipment	\$ 151,983	
Electronics and Communication Equipment	\$ 419,119,220	\$ 828,900,955
Medical and Dental Supplies and Equipment	\$ 23,414	
Missile and Space Systems	\$ 441,905	\$ 1,537,249
Non-Combat Vehicles	\$ 464,451	\$ 221,164
Other Aircraft Equipment and Supplies Not Included in A1A and A1B	\$ 4,393,078	
Other Fuels and Lubricants	\$ 126,033	\$ 80,150
Petroleum	\$ 46,171	\$ 161,141
Services	\$ 1,909,310	\$ 3,031,662
Ships	\$ 551,901	\$ 95,623
Subsistence	\$ 164,806	\$ 91,531
Textiles, Clothing and Equipage	\$ 4,340	\$ 18,040
Weapons	\$ 1,461,510	\$ 533,720

Table 3-6 Contracts by Claimant Code

**3.6. Number and Names of Companies in NEI awarded DOD Prime Contracts**

	<b>GFY 2007</b>	<b>GFY 2008</b>	<b>GFY 2009 *</b>
<b># Companies</b>	101	90	49

Table 3-7 Number and Names

\*Thru May 2009

#	GFY 2007	GFY 2008	GFY 2009
1	A B M COMPANY	A B M CO INC	A B M CO INC
2	ACCUTEMP PRODUCTS INCORPORATED	ACCUTEMP PRODUCTS INCORPORATED	ACCUTEMP PRODUCTS INCORPORATED
3	ALAN AIRCRAFT SERVICES INCORPORATED	AL GRATZ BODY & PAINT SHOP	AGRO-CHEM, INC.
4	ALL RITE DISTRIBUTING COMPANY	ALL RITE DISTRIBUTING COMPANY	ALL RITE DISTRIBUTING COMPANY
5	ALLEN COUNTY DRY CLEANING INC	ALLEN COUNTY DRY CLEANING INC	ALLEN COUNTY DRY CLEANING INC
6	ALLIANCE WINDING EQUIPMENT INCORPORATED	AQUA BLAST CORPORATION	BAE SYSTEMS CONTROLS INC.
7	B SHARP GUITARS INCORPORATED	BAE SYSTEMS CONTROLS INCORPORATED	BRAMMALL INC
8	BAE SYSTEMS CONTROLS INC	BRAMMALL INC	BUSAK + SHAMBAN INC
9	BRAMMALL INC	BRE/ESA OPERATING LESSEE INCORPORATED (4369)	CLASSIC CAFE INC
10	BRE/ESA OPERATING LESSEE INCORPORATED (4369)	BRENNEKE KENT	CLOUNIE LANDSCAPING INC
11	BRENNEKE KENT	BRILJENT LLC	COMCAST OF MONTANNA/INDIANA/KE
12	BROOKS CONSTRUCTION COMPANY INCORPORATED	BROOKS CONSTRUCTION COMPANY INCORPORATED	EAGLE LEASING
13	BULLDOG BATTERY CORPORATION	BUSAK + SHAMBAN INC	ENVIRONMENTAL REMEDIATION SERVICES INCORPORATED (9448)
14	BUSAK + SHAMBAN INC	CLASSIC CAFE INCORPORATED	ERAPSCO
15	CLASSIC CAFE INCORPORATED	CLASSIC PRODUCTS CORP	ESSEX GROUP, INC.
16	CLOUNIE LANDSCAPING INC	CLOUNIE LANDSCAPING INC	FLOATOGRAPH TECHNOLOGIES, LLC
17	COMCAST OF MONTANNA/INDIANA/KEN	COMCAST OF MONTANNA/INDIANA/KEN	GOEGLEINS INC
18	CVS SYSTEMS INCORPORATED	CVS SYSTEMS, INC.	HUNTINGTON ELECTRIC INC
19	DE HAVEN CHEVROLET INCORPORATED	DE HAVEN CHEVROLET INCORPORATED	HUPP & ASSOCIATES INC
20	EAGLE LEASING	EAGLE LEASING	HUPP ONE, LLC
21	EMERGENCY RADIO SERVICE INCORPORATED	ENGINE RESEARCH ASSOCIATES INCORPORATED	I T T CORPORATION
22	ENVIRONMENTAL REMEDIATION SERVICES INCORPORATED (9448)	ENVIRONMENTAL REMEDIATION SERVICES INCORPORATED (9448)	K-COM TRANSPORT SERVICES, INC.
23	ERAPSCO	ERAPSCO	KINDER BUILDERS INCORPORATED
24	ESSEX GROUP INCORPORATED	ESSEX GROUP INCORPORATED	LEWTECH COMPANY INCORPORATED
25	FLOATOGRAPH TECHNOLOGIES LIMITED LIABILITY COMPANY	FLOATOGRAPH TECHNOLOGIES, LLC	PERFECTION BAKERIES INC
26	FORT WAYNE ANODIZING	FORT WAYNE ANODIZING	PETROLEUM TRADERS CORPORATION
27	FORT WAYNE ROOFING AND SHEET METAL CORPORATION	GENERAL GROWTH MANAGEMENT, INC.	PHENIX TUBE CORP
28	FRED S CARVER INCORPORATED	GRABER AMOS D AND SONS	POLAR KING INTERNATIONAL, INC.
29	GRABER AMOS D AND SONS	GRIFFITH RUBBER MILLS INC	POLAR LEASING CORP.
30	GRAYBAR ELECTRIC COMPANY INCORPORATED (4380)	HELVIE & SONS INC	PRAIRIE QUEST INC
31	HERITAGE FOOD SERVICE EQUIPMENT	HERITAGE FOOD SERVICE EQUIPMENT	PRECISION MECHANICAL CONTRACTORS INCORPORATED
32	HOME RESERVE LIMITED LIABILITY COMPANY	HUNTINGTON ELECTRIC INCORPORATED	R E C ENTERPRISES, LTD.
33	HOOK INDUSTRIAL SALES INCORPORATED	HUPP & ASSOCIATES INC	RAYTHEON COMPANY
34	HUPP AND ASSOCIATES INCORPORATED	HUPP ASSOCIATES, INC	SAILRITE ENTERPRISES INC
35	HUPP ASSOCIATES, INC	I N M CORPORATION	SHAFFER, JAMES A
36	I T T CORPORATION	I T T CORPORATION	SHAMBAUGH & SON, L.P.

Table 3-8 2007-2009 Company Names



#	GFY 2007	GFY 2008	GFY 2009
37	IMAGING OFFICE SYSTEMS INCORPORATED	IMAGING OFFICE SYSTEMS, INC.	SPIRIT OF AMERICA CORPORATION
38	INDUSTRIAL PIPING AND ENGINEERING LIMITED LIABILITY COMPANY	INTEGRATED CUSTOM COMPONENTS, INC.	SUPERTEL HOSPITALITY, INC.
39	INTEGRATED CUSTOM COMPONENTS INCORPORATED	ITT/NORTHROP GRUMMAN A JOINT VENTURE	SWEETWATER SOUND, INC
40	ITT/NORTHROP GRUMMAN A JOINT VENTURE	JACYL TECHNOLOGY INCORPORATED	SYNERGID, INC
41	JACYL TECHNOLOGY INCORPORATED	KELLY BOX AND PACKAGING CORPORATION	TECTON CORPORATION
42	JENDCO TECHNOLOGIES	KINDER BUILDERS INCORPORATED	THERMODYNE FOOD SERVICE PRODUCTS, INC
43	JSK CORPORATION	LAPSLEY INC	THRASHER WELDING AND MACHINE SHOP
44	KINDER BUILDERS INCORPORATED	LEWTECH CO INC	TRELLEBORG SEALING SOLUTIONS US, INC.
45	LAPSLEY INCORPORATED	MC EQUIPMENT, INC.	UNDERSEA SENSOR SYSTEMS INC
46	LEWTECH COMPANY INCORPORATED	MEMCOR INC	VERIZON NORTH INC
47	LODGIAN INCORPORATED (3163)	METAL SPINNERS, INC.	WASTE MANAGEMENT OF INDIANA LIMITED LIABILITY COMPANY
48	MC EQUIPMENT INCORPORATED	MURRAY EQUIPMENT, INC	WHITE ELECTRONIC DESIGNS CORP
49	MEMCOR INC	NESCO, INCORPORATED	WILEY METAL FABRICATING INCORPORATED
50	METAL SPINNERS INCORPORATED (1912)	ORKOT INCORPORATED	
51	MURRAY EQUIPMENT INCORPORATED	OUR SUNDAY VISITOR INC	
52	NESCO, INCORPORATED	PERFECTION BAKERIES INC	
53	NORTH CENTRAL COOPERATIVE INCORPORATED	PETROLEUM TRADERS CORPORATION	
54	OLYMPIA BUSINESS SYSTEMS INCORPORATED	PHENIX TUBE CORPORATION	
55	ORKOT INCORPORATED	POLAR KING INTERNATIONAL, INC.	
56	OUR SUNDAY VISITOR INCORPORATED	POLAR LEASING CORP.	
57	PERFECTION BAKERIES INC	PRECISION MECHANICAL CONTRACTORS INCORPORATED	
58	PERIDOT INCORPORATED	PYROMATION INC	
59	PETROLEUM TRADERS CORPORATION	R E C ENTERPRISES LIMITED	
60	PHENIX TUBE CORPORATION	RAYTHEON COMPANY	
61	POIRY PARTNERS LIMITED LIABILITY COMPANY	REPUBLIC SERVICES OF IN, LP	
62	POLAR KING INTERNATIONAL, INC.	RICHARD J BAGAN INC	
63	PRECISION MECHANICAL CONTRACTORS INCORPORATED	RIVERSIDE MANUFACTURING INCORPORATED	
64	PROFESSIONAL METAL REFINISHING INCORPORATED	S&S FIRE APPARATUS CO.	
65	QUALITY ELECTRIC INCORPORATED (0243)	SHAFER JAMES A	
66	QUALITY HOTEL	SHAMBAUGH AND SON LIMITED PARTNERSHIP	
67	R E C ENTERPRISES LIMITED	SKY SIGHT TECHNOLOGIES LLC	
68	RAYNOR GARAGE DOORS OF ALLEN COUNTY INCORPORATED	SPIRIT OF AMERICA CORPORATION	
69	RAYTHEON COMPANY	STRUCTURAL COMPOSITES OF INDIANA, INC.	
70	REELCRAFT INDUSTRIES INC	STUART MANUFACTURING INCORPORATED	
71	REPUBLIC SERVICES OF INDIANA LIMITED PARTNERSHIP	SUPERTEL HOSPITALITY, INC.	
72	RICHARD J BAGAN INCORPORATED	SWAGER COMMUNICATIONS, INC.	

Table 3-9 2007-2009 Company Names (Cont.)

#	GFY 2007	GFY 2008	GFY 2009
73	RIVERSIDE MANUFACTURING INCORPORATED	SWEETWATER SOUND, INC	
74	S&S FIRE APPARATUS CO.	SYSTEMS ENGINEERING AND SALES CO INC	
75	SERVICO FORT WAYNE INCORPORATED	TALL OAK CORPORATION, THE	
76	SHAFFER JAMES A	TECTON CORPORATION	
77	SHAMBAUGH AND SON LIMITED PARTNERSHIP	TELECTRO MEK INCORPORATED	
78	SPIRIT OF AMERICA CORPORATION	THE FLOATOGRAPH TECHNOLOGIES COMPANY	
79	STAHL'S JANITOR SERVICE	THRASHER WELDING AND MACHINE SHOP	
80	STUART MANUFACTURING, INC	TIPPMANN SPORTS, LLC	
81	SUR LOC INCORPORATED	TRELLEBORG SEALING SOLUTIONS US, INC.	
82	SWEETWATER SOUND INCORPORATED	UNDERSEA SENSOR SYSTEMS INC	
83	SYNERGID INCORPORATED	VERIZON NORTH INC	
84	TAILORED LOGISTICS CORP	WABASH METAL PRODUCTS, INC	
85	TALL OAK CORPORATION THE	WABASH VALLEY REFUSE REMOVAL I	
86	TAYLOR UNIVERSITY	WAGNER ELECTRIC OF FORT WAYNE, INC.	
87	TECTON CORPORATION	WASTE MANAGEMENT OF INDIANA LIMITED LIABILITY COMPANY	
88	TELECTRO MEK INCORPORATED	WAYNE VAUGHN EQUIPMENT COMPANY INCORPORATED	
89	THE FLOATOGRAPH TECHNOLOGIES COMPANY	WHITE ELECTRONIC DESIGNS CORPORATION (5052)	
90	THRASHER WELDING AND MACHINE SHOP	WIELAND FURNITURE, INC	
91	TRANSFORMATIONS BY WIELAND INCORPORATED		
92	TRELLEBORG SEALING SOLUTIONS		
93	UNDERSEA SENSOR SYSTEMS INC		
94	VERIZON NORTH INC		
95	VESTIL MANUFACTURING CORPORATION		
96	WABASH VALLEY REFUSE REMOVAL I		
97	WASTE MANAGEMENT OF INDIANA LIMITED LIABILITY COMPANY		
98	WATCHDOG VIDEO CORPORATION		
99	WHITE ELECTRONIC DESIGNS CORPORATION (5052)		
100	WIELAND FURNITURE, INC		
101	WINTERLAND INCORPORATED		

Table 3-10 2007-2009 Company Names (Cont.)