



Dashboard Review

4th Quarter 2008

Supporting Data

March 10, 2009

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The \$5.1 million Bio-1 grant was awarded through the US Department of Labor Employment and Training Administration's Workforce Innovation in Regional Economic Development (WIRED) initiative.





Metrics Dashboard Update: March 2009



Excite Young People about the Bio-Sciences	Lay Smooth Career and Educational Pathway	Transform Graduate Education	Increase Bio-Science Workforce Development	Enhance Linkages between Education and Industry	Facilitate Globally Competitive Bio-Business
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Capability Building	On Target	On Target	On Target	On Target	On Target	On Target
Education / Training	On Target	Warning	On Target	In Progress		
Employment		Warning	Warning	In Progress		
Economy / Innovation						Warning

	On target
	Warning
	Major issue
	In progress

TEAM 1. Excite Young People about the Bio-Sciences
Category 2. Education / Training

Table 1. Enrollment in AP Biology and Chemistry Courses, 2005-2006

County	Test	# of students in AP class	Total enrollment in grades 11-12	% of Students Enrolled	# of Schools that do NOT offer AP Biology	# of Schools that do NOT offer AP Chemistry	# of High Schools with full time grade 11-12	% of High Schools that do NOT offer AP Biology	% of High Schools that do NOT offer AP Chemistry
19-HUNTERDON	Biology	214	3,177	6.7%	3		7	42.9%	
19-HUNTERDON	Chemistry	111	3,177	3.5%		3	7		42.9%
21-MERCER	Biology	330	7,693	4.3%	3		13	23.1%	
21-MERCER	Chemistry	201	7,693	2.6%		4	13		30.8%
23-MIDDLESEX	Biology	639	16,486	3.9%	6		29	20.7%	
23-MIDDLESEX	Chemistry	329	16,486	2.0%		14	29		48.3%
25-MONMOUTH	Biology	531	14,926	3.6%	6		29	20.7%	
25-MONMOUTH	Chemistry	275	14,926	1.8%		12	29		41.4%
35-SOMERSET	Biology	260	6,909	3.8%	2		11	18.2%	
35-SOMERSET	Chemistry	166	6,909	2.4%		4	11		36.4%
BIO1 REGION	Biology	1974	49,189	4.0%	20		89	22.5%	
BIO1 REGION	Chemistry	1082	49,189	2.2%		37	89		41.6%
NEW JERSEY	Biology	5764	182,310	3.2%	94		359	26.2%	
NEW JERSEY	Chemistry	3569	182,310	2.1%		141	359		39.3%

Data Source: New Jersey Department of Education School Report Card (year 2005-2006).

Table 2. Number of Students Taking AP Biology and Chemistry Tests, 2005-2006

County	Test	# of Students in AP Class	# of Students taking AP Test	% of Students Taking AP Test
19-HUNTERDON	Biology	214	197	92.1%
19-HUNTERDON	Chemistry	111	97	87.4%
21-MERCER	Biology	330	259	78.5%
21-MERCER	Chemistry	201	204	101.5%
23-MIDDLESEX	Biology	639	487	76.2%
23-MIDDLESEX	Chemistry	329	271	82.4%
25-MONMOUTH	Biology	531	370	69.7%
25-MONMOUTH	Chemistry	275	226	82.2%
35-SOMERSET	Biology	260	222	85.4%
35-SOMERSET	Chemistry	166	127	76.5%
BIO1 REGION	Biology	1,974	1,535	77.8%
BIO2 REGION	Chemistry	1,082	925	85.5%
NEW JERSEY	Biology	5,764	4,472	77.6%
NEW JERSEY	Chemistry	3,569	3,011	84.4%

Data Source: New Jersey Department of Education School Report Card (year 2005-2006).

TEAM 1. Excite Young People about the Bio-Sciences
Category 2. Education / Training

Table 3. Enrollment in AP Biology and Chemistry Courses, 2006-2007

County	Test	# of students in AP class	Total enrollment in grades 11-12	% of Students Enrolled	# of Schools that do NOT offer AP Biology	# of Schools that do NOT offer AP Chemistry	# of High Schools with full time grade 11-12	% of High Schools that do NOT offer AP Biology	% of High Schools that do NOT offer AP Chemistry
19-HUNTERDON	Biology	167	3,339	5.0%	0		5	0.0%	
19-HUNTERDON	Chemistry	136	3,339	4.1%		1	5		20.0%
21-MERCER	Biology	341	7,848	4.3%	4		14	28.6%	
21-MERCER	Chemistry	275	7,848	3.5%		2	14		14.3%
23-MIDDLESEX	Biology	680	17,068	4.0%	7		28	25.0%	
23-MIDDLESEX	Chemistry	345	17,068	2.0%		11	28		39.3%
25-MONMOUTH	Biology	494	15,118	3.3%	9		29	31.0%	
25-MONMOUTH	Chemistry	352	15,118	2.3%		12	29		41.4%
35-SOMERSET	Biology	314	7,218	4.4%	2		11	18.2%	
35-SOMERSET	Chemistry	202	7,218	2.8%		3	11		27.3%
BIO1 REGION	Biology	1,996	50,590	3.9%	22		87	25.3%	
BIO1 REGION	Chemistry	1,310	50,590	2.6%		29	87		33.3%
NEW JERSEY	Biology	5,941	185,605	3.2%	97		362	26.8%	
NEW JERSEY	Chemistry	4,053	185,605	2.1%		127	362		35.1%

Data Source: New Jersey Department of Education School Report Card (year 2006-2007).

Table 4. Number of Students Taking AP Biology and Chemistry Tests, 2006-2007

County	Test	# of Students in AP Class	# of Students taking AP Test	% of Students Taking AP Test
19-HUNTERDON	Biology	167	159	95.2%
19-HUNTERDON	Chemistry	136	120	88.2%
21-MERCER	Biology	341	267	78.3%
21-MERCER	Chemistry	275	248	90.2%
23-MIDDLESEX	Biology	680	533	78.4%
23-MIDDLESEX	Chemistry	345	296	85.8%
25-MONMOUTH	Biology	494	324	65.6%
25-MONMOUTH	Chemistry	352	243	69.0%
35-SOMERSET	Biology	314	268	85.4%
35-SOMERSET	Chemistry	202	143	70.8%
BIO1 REGION	Biology	1,996	1,551	77.7%
BIO1 REGION	Chemistry	1,310	1,050	80.2%
NEW JERSEY	Biology	5,941	4,585	77.2%
NEW JERSEY	Chemistry	4,053	3,209	79.2%

Data Source: New Jersey Department of Education School Report Card (year 2006-2007).

Table 5. Enrollment in AP Biology and Chemistry Courses, 2007-2008

county	test	# of students in AP class	total enrollment in grades 11-12	inclass/grade 11-12 enrollment	# of sch don't have biology ap class	# of sch don't have chemistry ap class	# of high schools or vocational schools having full time grade 11-12	percentage of sch don't offer biology AP class	percentage of sch don't offer chemistry AP class
19-HUNTERDON	Biology	200	3,377	6%	1	.	6	17%	.
19-HUNTERDON	Chemistry	127	3,377	4%	.	1	6	.	17%
21-MERCER	Biology	363	7,823	5%	2	.	14	14%	.
21-MERCER	Chemistry	261	7,823	3%	.	4	14	.	29%
23-MIDDLESEX	Biology	882	17,215	5%	5	.	28	18%	.
23-MIDDLESEX	Chemistry	411	17,215	2%	.	11	28	.	39%
25-MONMOUTH	Biology	527	15,092	3%	6	.	29	21%	.
25-MONMOUTH	Chemistry	260	15,092	2%	.	13	29	.	45%
35-SOMERSET	Biology	309	7,400	4%	3	.	11	27%	.
35-SOMERSET	Chemistry	206	7,400	3%	.	3	11	.	27%
BIO1 REGION	Biology	2,281	50,906	4%	17	.	88	19%	.
BIO1 REGION	Chemistry	1,265	50,906	2%	.	32	88	.	36%
NEW JERSEY	Biology	6,469	186,949	3%	90	.	363	25%	.
NEW JERSEY	Chemistry	4,088	186,949	2%	.	133	363	.	37%

Table 6. AP Biology and Chemistry Tests, 2007-2008

county	test	# of students taking AP test	# of students in AP class	# of students taking AP test/# of students in AP class
19-HUNTERDON	Biology	185	200	93%
19-HUNTERDON	Chemistry	112	127	88%
21-MERCER	Biology	292	363	80%
21-MERCER	Chemistry	246	261	94%
23-MIDDLESEX	Biology	565	882	64%
23-MIDDLESEX	Chemistry	329	411	80%
25-MONMOUTH	Biology	365	527	69%
25-MONMOUTH	Chemistry	215	260	83%
35-SOMERSET	Biology	270	309	87%
35-SOMERSET	Chemistry	164	206	80%
BIO1 REGION	Biology	1,677	2,281	74%
BIO1 REGION	Chemistry	1,066	1,265	84%
NEW JERSEY	Biology	4,965	6,469	77%
NEW JERSEY	Chemistry	3,380	4,088	83%

Data Source: New Jersey Department of Education School Report Card (year 2007-2008).

TEAM 2. Lay Smooth Career and Educational Pathway
 TEAM 3. Transform Graduate Education
 Category 2. Education / Training

Table 1. Number of Graduates of Undergraduate Bioscience Programs (includes certificate, associates, and bachelors degree recipients)
 Academic Year: 2004-2005

Cipcode	Program Name	# of completers at schools in Bio-1 region	# of New Jersey completers	# of completers at schools in Bio-1 region/ # of New Jersey Completors	Certificates		Associates		Bachelors	
					Bio-1	NJ	Bio-1	NJ	Bio-1	NJ
010000	Agriculture, General	6	6	100%					6	6
010303	Aquaculture		2	0%		2				
010601	Applied Horticulture/Horticultural Operations, General		6	0%		1		5		
010901	Animal Sciences, General	53	53	100%					53	53
011001	Food Science	8	8	100%					8	8
011101	Plant Sciences, General	8	8	100%			1	1	7	7
140301	Agricultural/Biological Engineering and Bioengineering	8	8	100%					8	8
140501	Biomedical/Medical Engineering	55	103	53%					55	103
140701	Chemical Engineering	33	85	39%					33	85
260101	Biology/Biological Sciences, General	391	1052	37%				54	391	998
260202	Biochemistry	33	86	38%					33	86
260204	Molecular Biology	20	33	61%					20	33
260401	Cell/Cellular Biology and Histology	50	50	100%					50	50
260701	Zoology/Animal Biology		1	0%						1
260804	Animal Genetics	36	36	100%					36	36
261101	Biometry/Biometrics	5	5	100%					5	5
261103	Bioinformatics		2	0%						2
261201	Biotechnology	37	41	90%		1			37	40
261302	Marine Biology and Biological Oceanography	5	47	11%					5	47
400501	Chemistry, General	62	154	40%				5	62	149
410101	Biology Technician/Biotechnology Laboratory Technician	1	2	50%			1	2		
410301	Chemical Technology/Technician		10	0%				10		
510805	Pharmacy Technician/Assistant	3	3	100%	3	3				
511501	Substance Abuse/Addiction Counseling	18	30	60%	18	18		12		
	Total	832	1831	45%	21	25	2	89	809	1717

**Table 2. Number of Graduates of Graduate Bioscience Programs (includes masters, PhDs, and Doctor degree recipients)
Academic Year: 2004-2005**

Cipcode	Program Name	# of completers at schools in Bio-1 region	# of New Jersey completers	# of completers at schools in Bio-1 region/ # of New Jersey Completers	Masters		PhDs	
					Bio-1	NJ	Bio-1	NJ
010901	Animal Sciences, General	8	8	100%	5	5	3	3
011001	Food Science	25	25	100%	17	17	8	8
140301	Agricultural/Biological Engineering and Bioengineering	1	1	100%	1	1		
140501	Biomedical/Medical Engineering	19	44	43%	9	33	10	11
140701	Chemical Engineering	18	51	35%	10	39	8	12
260101	Biology/Biological Sciences, General		76	0%		73		3
260202	Biochemistry	2	9	22%	1	7	1	2
260210	Biochemistry/Biophysics and Molecular Biology	9	9	100%	2	2	7	7
260301	Botany/Plant Biology	10	10	100%	2	2	8	8
260401	Cell/Cellular Biology and Histology	12	12	100%	7	7	5	5
260406	Cell/Cellular and Molecular Biology	9	9	100%	5	5	4	4
260599	Microbiological Sciences and Immunology, Other	20	20	100%	5	5	15	15
260802	Molecular Genetics	12	12	100%	7	7	5	5
260999	Physiology, Pathology, and Related Sciences, Other	6	6	100%			6	6
261001	Pharmacology	6	6	100%	1	1	5	5
261002	Molecular Pharmacology	7	7	100%			7	7
261003	Neuropharmacology		3	0%		3		
261004	Toxicology	4	4	100%			4	4
261103	Bioinformatics		29	0%		29		
261201	Biotechnology		7	0%		7		
261301	Ecology	13	13	100%	3	3	10	10
400501	Chemistry, General	14	54	26%	11	41	3	13
420201	Clinical Psychology		65	0%		45		20
512001	Pharmacy (PharmD [USA] PharmD, BS/BPharm [Canada])	189	189	100%			189	189
512004	Medicinal and Pharmaceutical Chemistry (MS, PhD)	6	6	100%	1	1	5	5
512706	Medical Informatics	20	20	100%	19	19	1	1
	Total	410	695	59%	106	352	304	343

**Table 3. Biosciences Completers at Schools in Bio-1 Region
Academic Year: 2004-2005**

	College / University Name	# of completers	Ptg of New Jersey	Certificates	Associates	Bachelors	Masters	PhDs
	Middlesex County College	4		3	1			
	University of Medicine & Dentistry of New Jersey	87					35	51
	Rider University	16				16		
	The College of New Jersey	98				98		
	Mercer County Community College	19		18	1			
	Rutgers University	1,019				695	71	253
	Total of Bio-1 region	1,243	49%	21	2	809	106	304
	New Jersey	2,526						

Data Source: New Jersey Commission on Higher Education SURE degrees conferred data. (CHE report year:2005).

TEAM 2. Lay Smooth Career and Educational Pathway
 TEAM 3. Transform Graduate Education
 Category 2. Education / Training

Table 4. Number of Graduates of Undergraduate Bioscience Programs (includes certificate, associates, and bachelors degree recipients
 Academic Year: 2005-2006

Cipcode	Program Name	# of completers at schools in Bio-1 region	# of New Jersey completers	# of completers at schools in Bio-1 region/ # of New Jersey Completers	Certificates		Associates		Bachelors	
					Bio-1	NJ	Bio-1	NJ	Bio-1	NJ
260101	Biology/Biological Sciences, General	421	1,166	36%				41	421	1125
140501	Biomedical/Medical Engineering	69	134	51%					69	134
010901	Animal Sciences, General	61	61	100%					61	61
400501	Chemistry, General	58	164	35%				6	58	158
260401	Cell/Cellular Biology and Histology	46	46	100%					46	46
260802	Molecular Genetics	40	40	100%					40	40
260202	Biochemistry	37	118	31%					37	118
140701	Chemical Engineering	33	72	46%					33	72
261201	Biotechnology	32	37	86%				1	32	36
011101	Plant Sciences, General	16	16	100%					16	16
260204	Molecular Biology	15	40	38%					15	40
261302	Marine Biology and Biological Oceanography	14	47	30%					14	47
011001	Food Science	10	10	100%					10	10
010000	Agriculture, General	8	8	100%					8	8
511501	Substance Abuse/Addiction Counseling	8	16	50%	8	8		8		
140301	Agricultural/Biological Engineering and Bioengineering	7	7	100%					7	7
510805	Pharmacy Technician/Assistant	6	6	100%	6	6				
261101	Biometry/Biometrics	3	3	100%					3	3
410301	Chemical Technology/Technician	2	10	20%		1	2	9		
410101	Biology Technician/Biotechnology Laboratory Technician	1	8	13%			1	8		
010303	Aquaculture		1	0%		1				
010601	Applied Horticulture/Horticultural Operations, General		10	0%		1		9		
260701	Zoology/Animal Biology		2	0%						2
261103	Bioinformatics		1	0%						1
	Total	887	2,023	44%	14	17	3	82	870	1924

**Table 5. Number of Graduates of Graduate Bioscience Programs (includes masters, PhDs, and Doctor degree recipients)
Academic Year: 2004-2005**

Cipcode	Program Name	# of completers at schools in Bio-1 region	# of New Jersey completers	# of completers at schools in Bio-1	Masters		PhDs	
					Bio-1	NJ	Bio-1	NJ
512001	Pharmacy (PharmD [USA] PharmD, BS/BPharm [Canada])	166	166	100%			166	166
140501	Biomedical/Medical Engineering	28	56	50%	18	45	10	11
260599	Microbiological Sciences and Immunology, Other	28	28	100%	10	10	18	18
400501	Chemistry, General	27	69	39%	8	40	19	29
260802	Molecular Genetics	24	24	100%	12	12	12	12
140701	Chemical Engineering	23	59	39%	11	44	12	15
512706	Medical Informatics	23	23	100%	22	22	1	1
011001	Food Science	22	22	100%	13	13	9	9
260210	Biochemistry/Biophysics and Molecular Biology	15	15	100%	2	2	13	13
261301	Ecology	15	15	100%	7	7	8	8
260406	Cell/Cellular and Molecular Biology	14	14	100%	8	8	6	6
260401	Cell/Cellular Biology and Histology	11	11	100%	6	6	5	5
512004	Medicinal and Pharmaceutical Chemistry (MS, PhD)	10	10	100%	6	6	4	4
260202	Biochemistry	8	16	50%	1	9	7	7
261004	Toxicology	7	7	100%	2	2	5	5
260999	Physiology, Pathology, and Related Sciences, Other	6	6	100%			6	6
261002	Molecular Pharmacology	6	6	100%			6	6
010901	Animal Sciences, General	5	5	100%	1	1	4	4
140301	Agricultural/Biological Engineering and Bioengineering	3	3	100%	3	3		
261001	Pharmacology	3	3	100%			3	3
260301	Botany/Plant Biology	2	2	100%			2	2
260702	Entomology	2	2	100%	1	1	1	1
260901	Physiology, General	1	1	100%			1	1
261102	Biostatistics	1	1	100%	1	1		
260101	Biology/Biological Sciences, General		68	0%		62		6
261003	Neuropharmacology		6	0%		6		
261103	Bioinformatics		18	0%		18		
261201	Biotechnology		9	0%		9		
420201	Clinical Psychology		71	0%		64		7
	Total	450	736	61%	132	391	318	345

**Table 6. Biosciences Completers at Schools in Bio-1 Region
Academic Year: 2005-2006**

	College / University	# of completers	Ptg of New Jersey	Certificates	Associates	Bachelors	Masters	PhDs
	Middlesex County College	8		6	2			
	University of Medicine & Dentistry of New Jersey	111					51	60
	Rider University	21				21		
	The College of New Jersey	103				103		
	Mercer County Community College	9		8	1			
	Rutgers University	1,085				746	81	258
	Total of bio-1 region	1,337	48%	14	3	870	132	318
	New Jersey	2,759						

Data Source: New Jersey Commission on Higher Education SURE degrees conferred data. (CHE report year:2006).

TEAM 2. Lay Smooth Career and Educational Pathway
 TEAM 3. Transform Graduate Education
 Category 3. Employment (Academic Year: 2004-2005)

Table 1. Employment rate of bioscience graduates in bio1 region schools by school
 Academic Year: 2004-2005

fice	schname	Bio-1 region		certificates		associates		bachelors		masters		PhD	
		N-size*	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2
2620	University of Medicine & Dentistry of New Jersey	60	62%	.	.	.	.	.	.	25	56%	34	65%
2628	Rider University	10	60%	.	.	.	.	10	60%	.	.	.	.
2642	The College of New Jersey	86	55%	.	.	.	.	86	55%	.	.	.	.
6964	Rutgers University	890	62%	.	.	.	.	620	58%	50	44%	220	76%
4740	Mercer County Community College	8	88%	7	86%	1	L	.	.	.	.	.	.
2615	Middlesex County College	2	L	2	L	.	.	.	.	.	.	.	.
Total Bio1 region		1,056	71%	9	93%	1	L	716	58%	75	50%	254	70%

Note1: N-size refers to the number of completers used to calculate the outcome.
 Note2: Veris software to validate SSNs that results in some records being excluded because the SSNs are invalid.
 Note3: If the N-size less than 5, we use 'L' to represent the result.

Table 2. Retention rate of bioscience graduates in bio1 region schools by school
 Academic Year: 2004-2005

fice	schname	Bio-1 region		certificates		associates		bachelors		masters		PhD	
		N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4
2620	University of Medicine & Dentistry of New Jersey	37	70%	.	.	.	.	.	.	14	79%	22	64%
2628	Rider University	6	100%	.	.	.	.	6	100%	.	.	.	.
2642	The College of New Jersey	47	70%	.	.	.	.	47	70%	.	.	.	.
6964	Rutgers University	551	79%	.	.	.	.	362	73%	22	91%	167	90%
4740	Mercer County Community College	7	86%	6	100%	1	L	.	.	.	.	.	.
2615	Middlesex County College	2	L	2	L	.	.	.	.	.	.	.	.
Total Bio1 region		650	84%	8	100%	1	L	415	81%	36	85%	189	77%

Table 3. Average earning of bioscience graduates in bio1 region schools by school (2005 CHE FILE)
 Academic Year: 2004-2005

fice	schname	Bio-1 region		certificates		associates		bachelors		masters		PhD	
		N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2
2620	University of Medicine & Dentistry of New Jersey	37	\$9,967.48	.	.	.	.	.	.	14	\$14,673.15	22	\$9,932.95
2628	Rider University	6	\$5,880.30	.	.	.	.	6	\$5,880.30	.	.	.	.
2642	The College of New Jersey	47	\$4,394.16	.	.	.	.	47	\$4,394.16	.	.	.	.
6964	Rutgers University	551	\$8,018.80	.	.	.	.	362	\$5,174.32	22	\$15,698.43	167	\$14,236.88
4740	Mercer County Community College	7	\$4,594.37	6	\$5,656.17	1	L	.	.	.	.	.	.
2615	Middlesex County College	2	L	2	L	.	.	.	.	.	.	.	.
Total Bio1 region		650	\$7,241.11	8	\$8,123.87	1	L	415	\$5,149.60	36	\$15,185.79	189	\$12,084.91

Table 5. Retention rate of bioscience graduates in bio1 region schools by cipcode (2005 CHE FILE)
Academic Year: 2004-2005

cipcode	cipname	Bio-1 region		certificates		associates		bachelors		masters		PhD	
		N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4
10000	Agriculture, General	4	L	.	.	.	.	4	L	.	.	.	.
10901	Animal Sciences, General	33	73%	.	.	.	.	30	70%	3	L	.	0
11001	Food Science	11	91%	.	.	.	.	4	L	6		83%	1
11101	Plant Sciences, General	5	60%	.	.	1	L	4	L	.	.	.	.
140301	Agricultural/Biological Engineering and Bioengineer	3	L	.	.	.	.	2	L	1	L	.	.
140501	Biomedical/Medical Engineering	33	70%	.	.	.	.	29	69%	2	L	.	2
140701	Chemical Engineering	23	96%	.	.	.	.	19	95%	2	L	.	2
260101	Biology/Biological Sciences, General	188	76%	.	.	.	.	188	76%	.	.	.	.
260202	Biochemistry	16	88%	.	.	.	.	16	88%	.	.	.	0
260204	Molecular Biology	9	67%	.	.	.	.	9	67%	.	.	.	.
260210	Biochemistry/Biophysics and Molecular Biology	2	L	.	.	.	.	.	.	1	L	.	1
260301	Botany/Plant Biology	2	L	.	.	.	.	.	.	.	.	.	2
260401	Cell/Cellular Biology and Histology	32	50%	.	.	.	.	26	50%	2	L	.	4
260406	Cell/Cellular and Molecular Biology	7	43%	.	.	.	.	.	.	3	L	.	4
260599	Microbiological Sciences and Immunology, Other	7	57%	.	.	.	.	.	.	3	L	.	4
260802	Molecular Genetics	5	60%	.	.	.	.	.	.	2	L	.	3
260804	Animal Genetics	15	53%	.	.	.	.	15	53%	.	.	.	.
260999	Physiology, Pathology, and Related Sciences, Othe	3	L	.	.	.	.	.	.	.	.	.	3
261001	Pharmacology	1	L	.	.	.	.	.	.	.	.	.	1
261002	Molecular Pharmacology	5	60%	.	.	.	.	.	.	.	.	.	5
261004	Toxicology	4	L	.	.	.	.	.	.	.	.	.	3
261101	Biometry/Biometrics	2	L	.	.	.	.	2	L	.	.	.	.
261201	Biotechnology	23	65%	.	.	.	.	23	65%	.	.	.	.
261301	Ecology	3	L	.	.	.	.	.	.	1	L	.	2
261302	Marine Biology and Biological Oceanography	3	L	.	.	.	.	3	L	.	.	.	.
400501	Chemistry, General	45	80%	.	.	.	.	41	78%	4	L	.	0
510805	Pharmacy Technician/Assistant	2	L	2	L	.	.	.	.	.	.	.	.
511501	Substance Abuse/Addiction Counseling	6	100%	6	100%	.	.	.	.	.	.	.	.
512001	Pharmacy (PharmD [USA] PharmD, BS/BPharm [C	148	92%	.	.	.	.	.	.	.	.	.	148
512004	Medicinal and Pharmaceutical Chemistry (MS, PhD	3	L	.	.	.	.	.	.	0	L	.	3
512706	Medical Informatics	7	100%	.	.	.	.	.	.	6	100%	.	1
	Total Bio1 region	650	77%	8	100%	1	L	415	71%	36	87%	189	76%

Table 6. Average earning of bioscience graduates in bio1 region schools by cipcode (2005 CHE FILE)
Academic Year: 2004-2005

cipcode	cipname	Bio-1 region		certificates		associates		bachelors		masters		PhD		
		N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	
10000	Agriculture, General	4	L	.	.	.	.	4	L	.	.	.	.
10901	Animal Sciences, General	33	\$4,953.79	.	.	.	.	30	\$4,164.00	3	L	.	0	L
11001	Food Science	11	\$11,564.95	.	.	.	.	4	L	6	\$13,643.24	1	L	.
11101	Plant Sciences, General	5	\$8,379.12	.	.	1	L	4	L	.	.	.	.	.
140301	Agricultural/Biological Engineering and Bioengineer	3	L	.	.	.	.	2	L	1	L	.	.	.
140501	Biomedical/Medical Engineering	33	\$8,058.35	.	.	.	.	29	\$7,552.47	2	L	.	2	L
140701	Chemical Engineering	23	\$10,436.15	.	.	.	.	19	\$9,703.76	2	L	.	2	L
260101	Biology/Biological Sciences, General	188	\$4,313.31	.	.	.	.	188	\$4,313.31	.	.	.	.	.
260202	Biochemistry	16	\$5,464.01	.	.	.	.	16	\$5,464.01	.	.	.	0	L
260204	Molecular Biology	9	\$7,571.69	.	.	.	.	9	\$7,571.69	.	.	.	.	.
260210	Biochemistry/Biophysics and Molecular Biology	2	L	.	.	.	.	.	.	1	L	.	1	L
260301	Botany/Plant Biology	2	L	.	.	.	.	.	.	.	.	.	2	L
260401	Cell/Cellular Biology and Histology	32	\$3,860.00	.	.	.	.	26	\$3,469.62	2	L	.	4	L
260406	Cell/Cellular and Molecular Biology	7	\$7,158.88	.	.	.	.	.	.	3	L	.	4	L
260599	Microbiological Sciences and Immunology, Other	7	\$9,030.48	.	.	.	.	.	.	3	L	.	4	L
260802	Molecular Genetics	5	\$25,561.91	.	.	.	.	.	.	2	L	.	3	L
260804	Animal Genetics	15	\$3,226.41	.	.	.	.	15	\$3,226.41	.	.	.	.	.
260999	Physiology, Pathology, and Related Sciences, Othe	3	L	.	.	.	.	.	.	.	.	.	3	L
261001	Pharmacology	1	L	.	.	.	.	.	.	.	.	.	1	L
261002	Molecular Pharmacology	5	\$5,774.75	.	.	.	.	.	.	.	.	.	5	\$5,774.75
261004	Toxicology	4	L	.	.	.	.	.	.	.	.	.	3	L
261101	Biometry/Biometrics	2	L	.	.	.	.	2	L	.	.	.	.	.
261201	Biotechnology	23	\$8,018.80	.	.	.	.	23	\$8,018.80	.	.	.	.	.
261301	Ecology	3	L	.	.	.	.	.	.	1	L	.	2	L
261302	Marine Biology and Biological Oceanography	3	L	.	.	.	.	3	L	.	.	.	.	.
400501	Chemistry, General	45	\$8,873.31	.	.	.	.	41	\$8,872.86	4	L	.	0	L
510805	Pharmacy Technician/Assistant	2	L	.	.	2	L	.	.	.	.	.	.	.
511501	Substance Abuse/Addiction Counseling	6	\$5,656.17	.	.	6	\$5,656.17	.	.	.	.	.	.	.
512001	Pharmacy (PharmD [USA] PharmD, BS/BPharm [C	148	\$14,500.11	.	.	.	.	.	.	.	.	.	148	\$14,500.11
512004	Medicinal and Pharmaceutical Chemistry (MS, PhD	3	L	.	.	.	.	.	.	0	L	.	3	L
512706	Medical Informatics	7	\$17,949.08	.	.	.	.	.	.	6	\$16,276.00	.	1	L
	Total Bio1 region	650	\$9,775.35	8	\$8,123.87	1	L	415	\$6,713.04	36	\$15,795.43	189	\$12,619.76	

Table 7. Employment rate of bioscience graduates in bio1 region in bio1 industry by school (2005 CHE FILE)
Academic Year: 2004-2005

fice	schname	Bio-1 region		certificates		associates		bachelors		masters		PhD	
		N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2
2620	University of Medicine & Dentistry of New Jersey	60	17%	.	.	.	.	.	.	25	24%	34	12%
2628	Rider University	10	20%	.	.	.	.	10	20%	.	.	.	.
2642	The College of New Jersey	86	8%	.	.	.	.	86	8%	.	.	.	.
6964	Rutgers University	890	8%	.	.	.	.	620	9%	50	12%	220	4%
4740	Mercer County Community College	8	0%	7	0%	1	L	.	.	.	.	.	.
2615	Middlesex County College	2	L	2	L	.	.	.	.	.	.	.	.
	Total Bio1 region	1,056	9%	9	0%	1	L	716	12%	75	18%	254	8%

Table 8. Retention rate of bioscience graduates in bio1 region in bio1 industry by school (2005 CHE FILE)
Academic Year: 2004-2005

fice	schname	Bio-1 region		certificates		associates		bachelors		masters		PhD	
		N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4
2620	University of Medicine & Dentistry of New Jersey	10	90%	.	.	.	.	.	.	6	83%	4	L
2628	Rider University	2	L	.	.	.	.	2	L	.	.	.	.
2642	The College of New Jersey	7	100%	.	.	.	.	7	100%	.	.	.	.
6964	Rutgers University	72	68%	.	.	.	.	57	65%	6	83%	9	78%
4740	Mercer County Community College	0	L	0	L	0	L	.	.	.	.	.	.
2615	Middlesex County College	0	L	0	L	.	.	.	.	.	.	.	.
	Total Bio1 region	91	90%	0	L	0	L	66	88%	12	83%	13	89%

Table 9. Average earnings of bioscience graduates in bio1 region in bio1 industry by school (2005 CHE FILE)
Academic Year: 2004-2005

fice	schname	Bio-1 region		certificates		associates		bachelors		masters		PhD	
		N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2
2620	University of Medicine & Dentistry of New Jersey	10	\$20,188.45	.	.	.	.	.	.	6	\$18,944.13	4	L
2628	Rider University	2	L	.	.	.	.	2	L	.	.	.	.
2642	The College of New Jersey	7	\$11,661.45	.	.	.	.	7	\$11,661.45	.	.	.	.
6964	Rutgers University	72	\$10,352.21	.	.	.	.	57	\$9,545.36	6	\$16,322.19	9	\$17,074.38
4740	Mercer County Community College	0	L	0	L	0	L	.	.	.	.	.	.
2615	Middlesex County College	0	L	0	L	.	.	.	.	.	.	.	.
	Total Bio1 region	91	\$12,300.51	0	L	0	L	66	\$9,402.25	12	\$17,633.16	13	\$18,812.38

Table 10. Employment rate of bioscience graduates in bio1 region in bio1 industry by cipcode (2005 CHE FILE)
 Academic Year: 2004-2005

cipcode	cipname	Bio-1 region		certificates		associates		bachelors		masters		PhD		
		N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	
10000	Agriculture, General	6	0%	.	.	.	.	6	0%	.	.	.	.
10901	Animal Sciences, General	54	7%	.	.	.	.	47	4%	4	L	.	3
11001	Food Science	20	0%	.	.	.	.	7	0%	11	.	0%	2
11101	Plant Sciences, General	8	0%	.	.	1	L	7	0%	.	.	.	.
140301	Agricultural/Biological Engineering and Bioengineer	7	0%	.	.	.	.	6	0%	1	L	.	.
140501	Biomedical/Medical Engineering	71	14%	.	.	.	.	55	16%	8	.	0%	8
140701	Chemical Engineering	42	17%	.	.	.	.	31	23%	7	.	0%	4
260101	Biology/Biological Sciences, General	337	7%	.	.	.	.	337	7%	.	.	.	.
260202	Biochemistry	28	7%	.	.	.	.	27	7%	.	.	.	1
260204	Molecular Biology	19	5%	.	.	.	.	19	5%	.	.	.	.
260210	Biochemistry/Biophysics and Molecular Biology	3	L	.	.	.	.	.	.	1	L	.	2
260301	Botany/Plant Biology	4	L	.	.	.	.	.	.	.	.	.	4
260401	Cell/Cellular Biology and Histology	55	4%	.	.	.	.	45	2%	6	.	17%	4
260406	Cell/Cellular and Molecular Biology	9	22%	.	.	.	.	.	.	5	.	40%	4
260599	Microbiological Sciences and Immunology, Other	16	0%	.	.	.	.	.	.	5	.	0%	11
260802	Molecular Genetics	8	0%	.	.	.	.	.	.	4	L	.	4
260804	Animal Genetics	32	6%	.	.	.	.	32	6%	.	.	.	.
260999	Physiology, Pathology, and Related Sciences, Othe	3	L	.	.	.	.	.	.	.	.	.	3
261001	Pharmacology	2	L	.	.	.	.	.	.	.	.	.	2
261002	Molecular Pharmacology	5	0%	.	.	.	.	.	.	.	.	.	5
261004	Toxicology	5	40%	.	.	.	.	.	.	.	.	.	4
261101	Biometry/Biometrics	5	0%	.	.	.	.	.	.	.	.	.	.
261201	Biotechnology	33	21%	.	.	.	.	33	21%	.	.	.	.
261301	Ecology	6	0%	.	.	.	.	.	.	2	L	.	4
261302	Marine Biology and Biological Oceanography	5	0%	.	.	.	.	5	0%	.	.	.	.
400501	Chemistry, General	65	23%	.	.	.	.	54	22%	10	.	30%	1
510805	Pharmacy Technician/Assistant	2	L	.	2	L	.	.	.	.	.	.	.
511501	Substance Abuse/Addiction Counseling	7	0%	.	7	.	0%	.	.	.	.	.	.
512001	Pharmacy (PharmD [USA] PharmD, BS/BPharm [C	183	3%	.	.	.	.	.	.	.	.	.	183
512004	Medicinal and Pharmaceutical Chemistry (MS, PhD	5	40%	.	.	.	.	.	.	1	L	.	4
512706	Medical Informatics	11	27%	.	.	.	.	.	.	10	.	30%	1
	Total Bio1 region	1,056	12%	9	0%	1	L	716	7%	75		19%	254	10%

Table 11. Retention rate of bioscience graduates in bio1 region in bio1 industry by cipcode (2005 CHE FILE)
Academic Year: 2004-2005

cipcode	cipname	Bio-1 region		certificates		associates		bachelors		masters		PhD						
		N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4					
10000	Agriculture, General	0	L	.	.	.	.	0	L					
10901	Animal Sciences, General	4	L	.	.	.	.	2	L	2	L	.	0	L
11001	Food Science	0	L	.	.	.	.	0	L	0	L	.	0	L
11101	Plant Sciences, General	0	L	.	.	0	L	0	L					
140301	Agricultural/Biological Engineering and Bioengineer	0	L	.	.	.	.	0	L	0	L	.	.	
140501	Biomedical/Medical Engineering	10		50%	.	.	.	9		44%	0	L	1	L				
140701	Chemical Engineering	7		86%	.	.	.	7		86%	0	L	0	L				
260101	Biology/Biological Sciences, General	23		74%	.	.	.	23		74%				
260202	Biochemistry	2	L	.	.	.	.	2	L	.	.	.	0	L
260204	Molecular Biology	1	L	.	.	.	.	1	L	.	.	.	.	.
260210	Biochemistry/Biophysics and Molecular Biology	1	L	.	.	.	.	.	.	.	1	L	0	L
260301	Botany/Plant Biology	0	L	.	.	.	.	.	.	.	.	.	0	L
260401	Cell/Cellular Biology and Histology	2	L	1	L	1	L	0	L	0	L			
260406	Cell/Cellular and Molecular Biology	2	L	2	L	0	L	0	L			
260599	Microbiological Sciences and Immunology, Other	0	L	0	L	0	L	0	L			
260802	Molecular Genetics	0	L	0	L	0	L	0	L			
260804	Animal Genetics	2	L	.	.	.	.	2	L	.	.	.	.	.
260999	Physiology, Pathology, and Related Sciences, Othe	1	L	.	.	.	.	.	.	.	.	.	1	L
261001	Pharmacology	1	L	.	.	.	.	.	.	.	.	.	1	L
261002	Molecular Pharmacology	0	L	.	.	.	.	.	.	.	.	.	0	L
261004	Toxicology	2	L	.	.	.	.	.	.	.	.	.	2	L
261101	Biometry/Biometrics	0	L	.	.	.	.	0	L	.	.	.	.	.
261201	Biotechnology	7		71%	.	.	.	7		71%				
261301	Ecology	0	L	0	L	0	L	0	L			
261302	Marine Biology and Biological Oceanography	0	L	.	.	.	.	0	L	.	.	.	.	.
400501	Chemistry, General	15		80%	.	.	.	12		83%	3	L	0	L				
510805	Pharmacy Technician/Assistant	0	L	.	.	0	L	.	.	.	.	.	.	.
511501	Substance Abuse/Addiction Counseling	0	L	.	.	0	L	.	.	.	.	.	.	.
512001	Pharmacy (PharmD [USA] PharmD, BS/BPharm [C	6		67%	6		67%			
512004	Medicinal and Pharmaceutical Chemistry (MS, PhD	2	L	0	L	2	L	0	L			
512706	Medical Informatics	3	L	3	L	0	L	0	L			
	Total Bio1 region	91		77%		0	L	0	L	66		61%	12		89%	13		94%

Table 12. Average earnings of bioscience graduates in bio1 region in bio1 industry by cipcode (2005 CHE FILE)
Academic Year: 2004-2005

cipcode	cipname	Bio-1 region		certificates		associates		bachelors		masters		PhD	
		N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2
10000	Agriculture, General	0	L	.	.	.	.	0	L	.	.	.	.
10901	Animal Sciences, General	4	L	.	.	.	.	2	L	2	L	0	L
11001	Food Science	0	L	.	.	.	.	0	L	0	L	0	L
11101	Plant Sciences, General	0	L	.	.	0	L	0	L	.	.	.	.
140301	Agricultural/Biological Engineering and Bioengineer	0	L	.	.	.	.	0	L	0	L	.	.
140501	Biomedical/Medical Engineering	10	\$10,724.54	.	.	.	.	9	\$10,463.64	0	L	1	L
140701	Chemical Engineering	7	\$10,436.15	.	.	.	.	7	\$10,436.15	0	L	0	L
260101	Biology/Biological Sciences, General	23	\$6,793.33	.	.	.	.	23	\$6,793.33	.	.	.	.
260202	Biochemistry	2	L	.	.	.	.	2	L	.	.	0	L
260204	Molecular Biology	1	L	.	.	.	.	1	L	.	.	.	.
260210	Biochemistry/Biophysics and Molecular Biology	1	L	.	.	.	.	.	.	1	L	0	L
260301	Botany/Plant Biology	0	L	.	.	.	.	.	.	.	.	0	L
260401	Cell/Cellular Biology and Histology	2	L	.	.	.	.	1	L	1	L	0	L
260406	Cell/Cellular and Molecular Biology	2	L	.	.	.	.	.	.	2	L	0	L
260599	Microbiological Sciences and Immunology, Other	0	L	.	.	.	.	.	.	0	L	0	L
260802	Molecular Genetics	0	L	.	.	.	.	.	.	0	L	0	L
260804	Animal Genetics	2	L	.	.	.	.	2	L	.	.	.	.
260999	Physiology, Pathology, and Related Sciences, Othe	1	L	.	.	.	.	.	.	.	.	1	L
261001	Pharmacology	1	L	.	.	.	.	.	.	.	.	1	L
261002	Molecular Pharmacology	0	L	.	.	.	.	.	.	.	.	0	L
261004	Toxicology	2	L	.	.	.	.	.	.	.	.	2	L
261101	Biometry/Biometrics	0	L	.	.	.	.	0	L	.	.	.	.
261201	Biotechnology	7	\$10,699.79	.	.	.	.	7	\$10,699.79	.	.	.	.
261301	Ecology	0	L	.	.	.	.	.	.	0	L	0	L
261302	Marine Biology and Biological Oceanography	0	L	.	.	.	.	0	L	.	.	.	.
400501	Chemistry, General	15	\$13,688.42	.	.	.	.	12	\$12,674.93	3	L	0	L
510805	Pharmacy Technician/Assistant	0	L	0	L	.	.	.	.	.	.	.	.
511501	Substance Abuse/Addiction Counseling	0	L	0	L	.	.	.	.	.	.	.	.
512001	Pharmacy (PharmD [USA] PharmD, BS/BPharm [C	6	\$16,435.04	.	.	.	.	.	.	.	.	6	\$16,435.04
512004	Medicinal and Pharmaceutical Chemistry (MS, PhD	2	L	.	.	.	.	.	.	0	L	2	L
512706	Medical Informatics	3	L	.	.	.	.	.	.	3	L	0	L
	Total Bio1 region	91	\$13,108.68	0	L	0	L	66	\$8,189.82	12	\$17,460.81	13	\$18,063.67

Data Source: New Jersey Commission on Higher Education SURE completer data (2005) and NJLWD UI wage record data (fourth quarter of 2004 to first quarter of 2007).

TEAM 2. Lay Smooth Career and Educational Pathway
 TEAM 3. Transform Graduate Education
 Category 3. Employment (Academic Year: 2005-2006)

Table 1. Employment rate of bioscience graduates in bio1 region schools by school
 Academic Year: 2005-2006

fice	schname	Bio-1 region		certificates		associates		bachelors		masters		PhD	
		N-size*	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2
2620	University of Medicine & Dentistry of N	104	51%	.	.	.	.	.	.	47	47%	57	54%
2628	Rider University	21	62%	.	.	.	.	21	62%	.	.	.	.
2642	The College of New Jersey	103	47%	.	.	.	.	103	47%	.	.	.	.
6964	Rutgers University	1,070	59%	.	.	.	.	735	58%	79	52%	256	65%
4740	Mercer County Community College	7	86%	6	83%	1	L	.	.	.	.	.	.
2615	Middlesex County College	8	100%	6	100%	2	L	.	.	.	.	.	.
.	Total Bio1 region	1,313	67%	12	92%	3	L	859	55%	126	49%	313	60%

Note1: N-size refers to the number of completers used to calculate the outcome.
 Note2: Veris software to validate SSNs that results in some records being excluded because the SSNs are invalid.
 Note3: If the N-size less than 5, we use 'L' to represent the result.

Table 2. Retention rate of bioscience graduates in bio1 region schools by school
 Academic Year: 2005-2006

fice	schname	Bio-1 region		certificates		associates		bachelors		masters		PhD	
		N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4
2620	University of Medicine & Dentistry of N	53	85%	.	.	.	.	.	.	22	95%	31	77%
2628	Rider University	13	77%	.	.	.	.	13	77%	.	.	.	.
2642	The College of New Jersey	48	50%	.	.	.	.	48	50%	.	.	.	.
6964	Rutgers University	630	79%	.	.	.	.	423	76%	41	80%	166	88%
4740	Mercer County Community College	6	100%	5	100%	1	L	.	.	.	.	.	.
2615	Middlesex County College	8	88%	6	83%	2	L	.	.	.	.	.	.
.	Total Bio1 region	758	80%	11	92%	3	L	484	68%	63	88%	197	83%

Table 3. Average earning of bioscience graduates in bio1 region schools by school (2006 CHE FILE)
 Academic Year: 2005-2006

fice	schname	Bio-1 region		certificates		associates		bachelors		masters		PhD	
		N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2
2620	University of Medicine & Dentistry of N	53	\$13,316.88	.	.	.	.	.	.	22	\$14,375.61	31	\$12,523.68
2628	Rider University	13	\$4,788.48	.	.	.	.	13	\$4,788.48	.	.	.	.
2642	The College of New Jersey	48	\$2,527.73	.	.	.	.	48	\$2,527.73	.	.	.	.
6964	Rutgers University	630	\$7,230.78	.	.	.	.	423	\$5,275.37	41	\$13,137.89	166	\$12,988.91
4740	Mercer County Community College	6	\$7,966.30	5	\$10,766.70	1	L	.	.	.	.	.	.
2615	Middlesex County College	8	\$12,103.02	6	\$7,218.77	2	L	.	.	.	.	.	.
.	Total Bio1 region	758	\$7,988.86	11	\$8,992.73	3	L	484	\$4,197.20	63	\$13,756.75	197	\$12,756.30

Table 4. Employment rate of bioscience graduates in bio1 region schools by cipcode (2006 CHE FILE)
Academic Year: 2005-2006

cipcode	cipname	Bio-1 region		certificates		associates		bachelors		masters		PhD	
		N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2
10000	Agriculture, General	8	50%	.	.	.	.	8	50%	.	.	.	.
10901	Animal Sciences, General	66	71%	.	.	.	.	61	75%	1	L	4	L
11001	Food Science	30	50%	.	.	.	.	9	56%	12	67%	9	22%
11101	Plant Sciences, General	16	56%	.	.	.	.	16	56%	.	.	.	.
140301	Agricultural/Biological Engineering an	8	75%	.	.	.	.	5	80%	3	L	.	.
140501	Biomedical/Medical Engineering	93	48%	.	.	.	.	67	58%	17	12%	9	44%
140701	Chemical Engineering	54	50%	.	.	.	.	33	55%	10	40%	11	45%
260101	Biology/Biological Sciences, General	419	52%	.	.	.	.	419	52%	.	.	.	.
260202	Biochemistry	45	49%	.	.	.	.	37	51%	1	L	7	43%
260204	Molecular Biology	14	71%	.	.	.	.	14	71%	.	.	.	.
260210	Biochemistry/Biophysics and Molecu	15	40%	.	.	.	.	.	.	2	L	13	46%
260301	Botany/Plant Biology	2	L	.	.	.	.	.	.	.	.	2	L
260401	Cell/Cellular Biology and Histology	56	52%	.	.	.	.	45	47%	6	83%	5	60%
260406	Cell/Cellular and Molecular Biology	14	71%	.	.	.	.	.	.	8	63%	6	83%
260599	Microbiological Sciences and Immunc	27	44%	.	.	.	.	.	.	10	50%	17	41%
260702	Entomology	2	L	.	.	.	.	.	.	1	L	1	L
260802	Molecular Genetics	63	51%	.	.	.	.	39	56%	12	50%	12	33%
260901	Physiology, General	1	L	.	.	.	.	.	.	.	.	1	L
260999	Physiology, Pathology, and Related S	6	100%	.	.	.	.	.	.	.	.	6	100%
261001	Pharmacology	3	L	.	.	.	.	.	.	.	.	3	L
261002	Molecular Pharmacology	5	40%	.	.	.	.	.	.	.	.	5	40%
261004	Toxicology	7	43%	.	.	.	.	.	.	2	L	5	60%
261101	Biometry/Biometrics	3	L	.	.	.	.	3	L	.	.	.	.
261102	Biostatistics	1	L	.	.	.	.	.	.	1	L	.	.
261201	Biotechnology	32	66%	.	.	.	.	32	66%	.	.	.	.
261301	Ecology	15	13%	.	.	.	.	.	.	7	14%	8	13%
261302	Marine Biology and Biological Ocean	14	57%	.	.	.	.	14	57%	.	.	.	.
400501	Chemistry, General	84	65%	.	.	.	.	57	68%	8	75%	19	53%
410101	Biology Technician/Biotechnology Lat	1	L	.	.	.	.	1	L	.	.	.	.
410301	Chemical Technology/Technician	2	L	.	.	.	.	2	L	.	.	.	.
510805	Pharmacy Technician/Assistant	6	100%	6	100%	.	.	.	.	.	.	.	.
511501	Substance Abuse/Addiction Counseli	6	83%	6	83%	.	.	.	.	.	.	.	.
512001	Pharmacy (PharmD [USA] PharmD, E	165	79%	.	.	.	.	.	.	.	.	165	79%
512004	Medicinal and Pharmaceutical Chemi	10	70%	.	.	.	.	.	.	6	83%	4	L
512706	Medical Informatics	20	55%	.	.	.	.	.	.	19	58%	1	L
	Total Bio1 region	1,313	61%	12	92%	3	L	859	56%	126	53%	313	45%

Table 5. Retention rate of bioscience graduates in bio1 region schools by cipcode (2006 CHE FILE)
Academic Year: 2005-2006

cipcode	cipname	Bio-1 region		certificates		associates		bachelors		masters		PhD	
		N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4
10000	Agriculture, General	4	L	.	.	.	.	4	L	.	.	.	.
10901	Animal Sciences, General	47	87%	.	.	.	.	46	87%	1	L	0	L
11001	Food Science	15	73%	.	.	.	.	5	100%	8	50%	2	L
11101	Plant Sciences, General	9	78%	.	.	.	.	9	78%	.	.	.	.
140301	Agricultural/Biological Engineering and	6	100%	.	.	.	.	4	L	2	L	.	.
140501	Biomedical/Medical Engineering	45	69%	.	.	.	.	39	64%	2	L	4	L
140701	Chemical Engineering	27	78%	.	.	.	.	18	72%	4	L	5	80%
260101	Biology/Biological Sciences, General	219	70%	.	.	.	.	219	70%	.	.	.	.
260202	Biochemistry	22	86%	.	.	.	.	19	89%	0	L	3	L
260204	Molecular Biology	10	60%	.	.	.	.	10	60%	.	.	.	.
260210	Biochemistry/Biophysics and Molecu	6	33%	.	.	.	.	.	.	0	L	6	33%
260301	Botany/Plant Biology	2	L	.	.	.	.	.	.	.	.	2	L
260401	Cell/Cellular Biology and Histology	29	69%	.	.	.	.	21	62%	5	80%	3	L
260406	Cell/Cellular and Molecular Biology	10	90%	.	.	.	.	.	.	5	100%	5	80%
260599	Microbiological Sciences and Immunc	12	83%	.	.	.	.	.	.	5	80%	7	86%
260702	Entomology	1	L	.	.	.	.	.	.	1	L	0	L
260802	Molecular Genetics	32	88%	.	.	.	.	22	86%	6	83%	4	L
260901	Physiology, General	0	L	.	.	.	.	.	.	.	.	0	L
260999	Physiology, Pathology, and Related S	6	83%	.	.	.	.	.	.	.	.	6	83%
261001	Pharmacology	2	L	.	.	.	.	.	.	.	.	2	L
261002	Molecular Pharmacology	2	L	.	.	.	.	.	.	.	.	2	L
261004	Toxicology	3	L	.	.	.	.	.	.	0	L	3	L
261101	Biometry/Biometrics	0	L	.	.	.	.	0	L	.	.	.	.
261102	Biostatistics	1	L	.	.	.	.	.	.	1	L	.	.
261201	Biotechnology	21	86%	.	.	.	.	21	86%	.	.	.	.
261301	Ecology	2	L	.	.	.	.	.	.	1	L	1	L
261302	Marine Biology and Biological Ocean	8	75%	.	.	.	.	8	75%	.	.	.	.
400501	Chemistry, General	55	60%	.	.	.	.	39	59%	6	83%	10	50%
410101	Biology Technician/Biotechnology Lat	1	L	.	.	1	L	.	.	.	.	.	.
410301	Chemical Technology/Technician	2	L	.	.	2	L	.	.	.	.	.	.
510805	Pharmacy Technician/Assistant	6	83%	6	83%	.	.	.	.	.	.	.	.
511501	Substance Abuse/Addiction Counselin	5	100%	5	100%	.	.	.	.	.	.	.	.
512001	Pharmacy (PharmD [USA] PharmD, E	130	92%	.	.	.	.	.	.	.	.	130	92%
512004	Medicinal and Pharmaceutical Chemi	7	86%	.	.	.	.	.	.	5	80%	2	L
512706	Medical Informatics	11	100%	.	.	.	.	.	.	11	100%	0	L
	Total Bio1 region	758	83%	11	92%	3	L	484	79%	63	90%	197	82%

Table 6. Average earning of bioscience graduates in bio1 region schools by cipcode (2006 CHE FILE)
Academic Year: 2005-2006

cipcode	cipname	Bio-1 region		certificates		associates		bachelors		masters		PhD		
		N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	
10000	Agriculture, General	4	L	.	.	.	.	4	L	.	.	.	.
10901	Animal Sciences, General	47	\$5,646.48	.	.	.	.	46	\$5,669.49	1	L	.	0	L
11001	Food Science	15	\$11,426.81	.	.	.	.	5	\$11,426.81	8	\$12,627.79	.	2	L
11101	Plant Sciences, General	9	\$9,903.96	.	.	.	.	9	\$9,903.96	.	.	.	.	.
140301	Agricultural/Biological Engineering and	6	\$12,819.66	.	.	.	.	4	L	.	2	L	.	.
140501	Biomedical/Medical Engineering	45	\$8,847.57	.	.	.	.	39	\$7,790.24	2	L	.	4	L
140701	Chemical Engineering	27	\$12,834.73	.	.	.	.	18	\$8,705.17	4	L	.	5	\$17,816.54
260101	Biology/Biological Sciences, General	219	\$4,141.31	.	.	.	.	219	\$4,141.31	.	.	.	.	.
260202	Biochemistry	22	\$6,952.75	.	.	.	.	19	\$6,493.12	0	L	.	3	L
260204	Molecular Biology	10	\$3,889.07	.	.	.	.	10	\$3,889.07	.	.	.	.	.
260210	Biochemistry/Biophysics and Molecu	6	\$9,969.45	.	.	.	.	.	.	0	L	.	6	\$9,969.45
260301	Botany/Plant Biology	2	L	.	.	.	.	.	.	.	.	.	2	L
260401	Cell/Cellular Biology and Histology	29	\$3,170.49	.	.	.	.	21	\$2,993.59	5	\$7,622.31	.	3	L
260406	Cell/Cellular and Molecular Biology	10	\$10,041.44	.	.	.	.	.	.	5	\$11,350.08	.	5	\$8,732.81
260599	Microbiological Sciences and Immunc	12	\$13,983.76	.	.	.	.	.	.	5	\$17,509.09	.	7	\$11,794.79
260702	Entomology	1	L	.	.	.	.	.	.	1	L	.	0	L
260802	Molecular Genetics	32	\$7,004.45	.	.	.	.	22	\$5,360.69	6	\$10,744.76	.	4	L
260901	Physiology, General	0	L	.	.	.	.	.	.	.	.	.	0	L
260999	Physiology, Pathology, and Related S	6	\$12,439.46	.	.	.	.	.	.	.	.	.	6	\$12,439.46
261001	Pharmacology	2	L	.	.	.	.	.	.	.	.	.	2	L
261002	Molecular Pharmacology	2	L	.	.	.	.	.	.	.	.	.	2	L
261004	Toxicology	3	L	.	.	.	.	.	.	0	L	.	3	L
261101	Biometry/Biometrics	0	L	.	.	.	.	0	L	.	.	.	.	.
261102	Biostatistics	1	L	.	.	.	.	.	.	1	L	.	.	.
261201	Biotechnology	21	\$5,869.99	.	.	.	.	21	\$5,869.99	.	.	.	.	.
261301	Ecology	2	L	.	.	.	.	.	.	1	L	.	1	L
261302	Marine Biology and Biological Ocean	8	\$4,631.05	.	.	.	.	8	\$4,631.05	.	.	.	.	.
400501	Chemistry, General	55	\$7,029.27	.	.	.	.	39	\$4,824.22	6	\$13,976.81	.	10	\$13,206.97
410101	Biology Technician/Biotechnology Lat	1	L	.	.	.	1	L	.	.	.	.	.	.
410301	Chemical Technology/Technician	2	L	.	.	.	2	L	.	.	.	.	.	.
510805	Pharmacy Technician/Assistant	6	\$7,218.77	.	6	\$7,218.77	.	.	.	.	.	.	.	.
511501	Substance Abuse/Addiction Counselin	5	\$10,766.70	.	5	\$10,766.70	.	.	.	.	.	.	.	.
512001	Pharmacy (PharmD [USA] PharmD, E	130	\$12,023.92	.	.	.	.	.	.	.	.	.	130	\$12,023.92
512004	Medicinal and Pharmaceutical Chemi	7	\$17,816.90	.	.	.	.	.	.	5	\$17,556.51	.	2	L
512706	Medical Informatics	11	\$13,316.88	.	.	.	.	.	.	11	\$13,316.88	.	0	L
	Total Bio1 region	758	\$10,390.06	11	\$8,992.73	3	L	484	\$6,646.81	63	\$12,999.38	197	\$14,803.65	

Table 7. Employment rate of bioscience graduates in bio1 region in bio1 industry by school (2005 CHE FILE)

Academic Year: 2005-2006

fice	schname	Bio-1 region		certificates		associates		bachelors		masters		PhD	
		N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2
2620	University of Medicine & Dentistry of N	104	13%	.	.	.	.	.	.	47	15%	57	12%
2628	Rider University	21	19%	.	.	.	.	21	19%	.	.	.	.
2642	The College of New Jersey	103	7%	.	.	.	.	103	7%	.	.	.	.
6964	Rutgers University	1,070	9%	.	.	.	.	735	10%	79	15%	256	5%
4740	Mercer County Community College	7	14%	6	0%	1	L	.	.	.	.	.	.
2615	Middlesex County College	8	25%	6	0%	2	L	.	.	.	.	.	.
.	Total Bio1 region	1,313	15%	12	0%	3	L	859	12%	126	15%	313	9%

Table 8. Retention rate of bioscience graduates in bio1 region in bio1 industry by school (2006 CHE FILE)

Academic Year: 2005-2006

fice	schname	Bio-1 region		certificates		associates		bachelors		masters		PhD	
		N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4
2620	University of Medicine & Dentistry of N	14	100%	.	.	.	.	.	.	7	100%	7	100%
2628	Rider University	4	L	.	.	.	.	4	L	.	.	.	.
2642	The College of New Jersey	7	71%	.	.	.	.	7	71%	.	.	.	.
6964	Rutgers University	97	87%	.	.	.	.	71	82%	12	100%	14	100%
4740	Mercer County Community College	1	L	0	L	1	L	.	.	.	.	.	.
2615	Middlesex County College	2	L	0	L	2	L	.	.	.	.	.	.
.	Total Bio1 region	125	85%	0	L	3	L	82	68%	19	100%	21	100%

Table 9. Average earnings of bioscience graduates in bio1 region in bio1 industry by school (2006 CHE FILE)

Academic Year: 2005-2006

fice	schname	Bio-1 region		certificates		associates		bachelors		masters		PhD	
		N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2
2620	University of Medicine & Dentistry of N	14	\$19,753.55	.	.	.	.	.	.	7	\$19,186.51	7	\$20,975.13
2628	Rider University	4	L	.	.	.	.	4	L	.	.	.	.
2642	The College of New Jersey	7	\$9,098.40	.	.	.	.	7	\$9,098.40	.	.	.	.
6964	Rutgers University	97	\$10,050.78	.	.	.	.	71	\$9,043.17	12	\$17,085.04	14	\$21,538.33
4740	Mercer County Community College	1	L	0	L	1	L	.	.	.	.	.	.
2615	Middlesex County College	2	L	0	L	2	L	.	.	.	.	.	.
.	Total Bio1 region	125	\$11,180.39	0	L	3	L	82	\$8,800.88	19	\$18,135.77	21	\$21,256.73

Table 10. Employment rate of bioscience graduates in bio1 region in bio1 industry by cipcode (2006 CHE FILE)
Academic Year: 2005-2006

cipcode	cipname	Bio-1 region		certificates		associates		bachelors		masters		PhD	
		N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2
10000	Agriculture, General	8	0%	.	.	.	.	8	0%	.	.	.	.
10901	Animal Sciences, General	66	9%	.	.	.	.	61	10%	1	L	4	L
11001	Food Science	30	10%	.	.	.	.	9	22%	12	0%	9	11%
11101	Plant Sciences, General	16	0%	.	.	.	.	16	0%	.	.	.	.
140301	Agricultural/Biological Engineering an	8	0%	.	.	.	.	5	0%	3	L	.	.
140501	Biomedical/Medical Engineering	93	13%	.	.	.	.	67	15%	17	0%	9	22%
140701	Chemical Engineering	54	20%	.	.	.	.	33	21%	10	20%	11	18%
260101	Biology/Biological Sciences, General	419	7%	.	.	.	.	419	7%	.	.	.	.
260202	Biochemistry	45	11%	.	.	.	.	37	14%	1	L	7	0%
260204	Molecular Biology	14	14%	.	.	.	.	14	14%	.	.	.	.
260210	Biochemistry/Biophysics and Molecu	15	7%	.	.	.	.	.	.	2	L	13	8%
260301	Botany/Plant Biology	2	L	.	.	.	.	.	.	.	.	2	L
260401	Cell/Cellular Biology and Histology	56	11%	.	.	.	.	45	7%	6	17%	5	40%
260406	Cell/Cellular and Molecular Biology	14	29%	.	.	.	.	.	.	8	25%	6	33%
260599	Microbiological Sciences and Immunc	27	7%	.	.	.	.	.	.	10	20%	17	0%
260702	Entomology	2	L	.	.	.	.	.	.	1	L	1	L
260802	Molecular Genetics	63	10%	.	.	.	.	39	8%	12	17%	12	8%
260901	Physiology, General	1	L	.	.	.	.	.	.	.	.	1	L
260999	Physiology, Pathology, and Related S	6	17%	.	.	.	.	.	.	.	.	6	17%
261001	Pharmacology	3	L	.	.	.	.	.	.	.	.	3	L
261002	Molecular Pharmacology	5	40%	.	.	.	.	.	.	.	.	5	40%
261004	Toxicology	7	0%	.	.	.	.	.	.	2	L	5	0%
261101	Biometry/Biometrics	3	L	.	.	.	.	3	L	.	.	.	.
261102	Biostatistics	1	L	.	.	.	.	.	.	1	L	.	.
261201	Biotechnology	32	19%	.	.	.	.	32	19%	.	.	.	.
261301	Ecology	15	0%	.	.	.	.	.	.	7	0%	8	0%
261302	Marine Biology and Biological Ocean	14	14%	.	.	.	.	14	14%	.	.	.	.
400501	Chemistry, General	84	18%	.	.	.	.	57	14%	8	38%	19	21%
410101	Biology Technician/Biotechnology Lab	1	L	.	.	1	L	.	.	.	.	.	.
410301	Chemical Technology/Technician	2	L	.	.	2	L	.	.	.	.	.	.
510805	Pharmacy Technician/Assistant	6	0%	6	0%	.	.	.	.	.	.	.	.
511501	Substance Abuse/Addiction Counselin	6	0%	6	0%	.	.	.	.	.	.	.	.
512001	Pharmacy (PharmD [USA] PharmD, E	165	1%	.	.	.	.	.	.	.	.	165	1%
512004	Medicinal and Pharmaceutical Chemi	10	50%	.	.	.	.	.	.	6	67%	4	L
512706	Medical Informatics	20	15%	.	.	.	.	.	.	19	16%	1	L
	Total Bio1 region	1,313	15%	12	0%	3	L	859	10%	126	12%	313	11%

Table 11. Retention rate of bioscience graduates in bio1 region in bio1 industry by cipcode (2006 CHE FILE)
 Academic Year: 2005-2006

cipcode	cipname	Bio-1 region		certificates		associates		bachelors		masters		PhD	
		N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4	N-size	Q 4
10000	Agriculture, General	0	L	.	.	.	.	0	L	.	.	.	.
10901	Animal Sciences, General	6	100%	.	.	.	.	6	100%	0	L	0	L
11001	Food Science	3	L	.	.	.	.	2	L	0	L	1	L
11101	Plant Sciences, General	0	L	.	.	.	.	0	L	.	.	.	.
140301	Agricultural/Biological Engineering and	0	L	.	.	.	.	0	L	0	L	.	.
140501	Biomedical/Medical Engineering	12	83%	.	.	.	.	10	80%	0	L	2	L
140701	Chemical Engineering	11	73%	.	.	.	.	7	57%	2	L	2	L
260101	Biology/Biological Sciences, General	28	82%	.	.	.	.	28	82%	.	.	.	.
260202	Biochemistry	5	100%	.	.	.	.	5	100%	0	L	0	L
260204	Molecular Biology	2	L	.	.	.	.	2	L	.	.	.	.
260210	Biochemistry/Biophysics and Molecu	1	L	.	.	.	.	.	.	0	L	1	L
260301	Botany/Plant Biology	0	L	.	.	.	.	.	.	.	.	0	L
260401	Cell/Cellular Biology and Histology	6	83%	.	.	.	.	3	L	1	L	2	L
260406	Cell/Cellular and Molecular Biology	4	L	.	.	.	.	.	.	2	L	2	L
260599	Microbiological Sciences and Immunc	2	L	.	.	.	.	.	.	2	L	0	L
260702	Entomology	0	L	.	.	.	.	.	.	0	L	0	L
260802	Molecular Genetics	6	100%	.	.	.	.	3	L	2	L	1	L
260901	Physiology, General	0	L	.	.	.	.	.	.	.	.	0	L
260999	Physiology, Pathology, and Related S	1	L	.	.	.	.	.	.	.	.	1	L
261001	Pharmacology	0	L	.	.	.	.	.	.	.	.	0	L
261002	Molecular Pharmacology	2	L	.	.	.	.	.	.	.	.	2	L
261004	Toxicology	0	L	.	.	.	.	.	.	0	L	0	L
261101	Biometry/Biometrics	0	L	.	.	.	.	0	L	.	.	.	.
261102	Biostatistics	0	L	.	.	.	.	.	.	0	L	.	.
261201	Biotechnology	6	83%	.	.	.	.	6	83%	.	.	.	.
261301	Ecology	0	L	.	.	.	.	.	.	0	L	0	L
261302	Marine Biology and Biological Ocean	2	L	.	.	.	.	2	L	.	.	.	.
400501	Chemistry, General	15	80%	.	.	.	.	8	63%	3	L	4	L
410101	Biology Technician/Biotechnology Lat	1	L	.	.	1	L	.	.	.	.	.	.
410301	Chemical Technology/Technician	2	L	.	.	2	L	.	.	.	.	.	.
510805	Pharmacy Technician/Assistant	0	L	0	L	.	.	.	.	.	.	.	.
511501	Substance Abuse/Addiction Counselin	0	L	0	L	.	.	.	.	.	.	.	.
512001	Pharmacy (PharmD [USA] PharmD, E	2	L	.	.	.	.	.	.	.	.	2	L
512004	Medicinal and Pharmaceutical Chemi	5	100%	.	.	.	.	.	.	4	L	1	L
512706	Medical Informatics	3	L	.	.	.	.	.	.	3	L	0	L
	Total Bio1 region	125	90%	0	L	3	L	82	78%	19	100%	21	100%

Table 12. Average earnings of bioscience graduates in bio1 region in bio1 industry by cipcode (2006 CHE FILE)
Academic Year: 2005-2006

cipcode	cipname	Bio-1 region		certificates		associates		bachelors		masters		PhD		
		N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	N-size	Q 1&2	
10000	Agriculture, General	0	L	.	.	.	.	0	L	.	.	.	.
10901	Animal Sciences, General	6	\$6,288.57	.	.	.	.	6	\$6,288.57	0	L	.	0	L
11001	Food Science	3	L	.	.	.	.	2	L	0	L	.	1	L
11101	Plant Sciences, General	0	L	.	.	.	.	0	L	.	.	.	.	.
140301	Agricultural/Biological Engineering and	0	L	.	.	.	.	0	L	0	L	.	.	.
140501	Biomedical/Medical Engineering	12	\$10,636.70	.	.	.	.	10	\$10,461.93	0	L	.	2	L
140701	Chemical Engineering	11	\$13,825.68	.	.	.	.	7	\$9,538.15	2	L	.	2	L
260101	Biology/Biological Sciences, General	28	\$7,676.79	.	.	.	.	28	\$7,676.79	.	.	.	.	.
260202	Biochemistry	5	\$9,345.48	.	.	.	.	5	\$9,345.48	0	L	.	0	L
260204	Molecular Biology	2	L	.	.	.	.	2	L	.	.	.	.	.
260210	Biochemistry/Biophysics and Molecular	1	L	.	.	.	.	.	.	0	L	.	1	L
260301	Botany/Plant Biology	0	L	.	.	.	.	.	.	.	.	.	0	L
260401	Cell/Cellular Biology and Histology	6	\$14,758.56	.	.	.	.	3	L	1	L	.	2	L
260406	Cell/Cellular and Molecular Biology	4	L	.	.	.	.	.	.	2	L	.	2	L
260599	Microbiological Sciences and Immunology	2	L	.	.	.	.	.	.	2	L	.	0	L
260702	Entomology	0	L	.	.	.	.	.	.	0	L	.	0	L
260802	Molecular Genetics	6	\$12,260.34	.	.	.	.	3	L	2	L	.	1	L
260901	Physiology, General	0	L	.	.	.	.	.	.	.	.	.	0	L
260999	Physiology, Pathology, and Related Sciences	1	L	.	.	.	.	.	.	.	.	.	1	L
261001	Pharmacology	0	L	.	.	.	.	.	.	.	.	.	0	L
261002	Molecular Pharmacology	2	L	.	.	.	.	.	.	.	.	.	2	L
261004	Toxicology	0	L	.	.	.	.	.	.	0	L	.	0	L
261101	Biometry/Biometrics	0	L	.	.	.	.	0	L	.	.	.	.	.
261102	Biostatistics	0	L	.	.	.	.	.	.	0	L	.	.	.
261201	Biotechnology	6	\$9,519.16	.	.	.	.	6	\$9,519.16	.	.	.	.	.
261301	Ecology	0	L	.	.	.	.	.	.	0	L	.	0	L
261302	Marine Biology and Biological Oceanography	2	L	.	.	.	.	2	L	.	.	.	.	.
400501	Chemistry, General	15	\$9,931.72	.	.	.	.	8	\$8,327.65	3	L	.	4	L
410101	Biology Technician/Biotechnology Laboratory	1	L	.	.	1	L	.	.	.	.	.	.	.
410301	Chemical Technology/Technician	2	L	.	.	2	L	.	.	.	.	.	.	.
510805	Pharmacy Technician/Assistant	0	L	0	L	.	.	.	.	.	.	.	.	.
511501	Substance Abuse/Addiction Counseling	0	L	0	L	.	.	.	.	.	.	.	.	.
512001	Pharmacy (PharmD [USA] PharmD, Etc.)	2	L	.	.	.	.	.	.	.	.	.	2	L
512004	Medicinal and Pharmaceutical Chemistry	5	\$17,556.51	.	.	.	.	.	.	4	L	.	1	L
512706	Medical Informatics	3	L	.	.	.	.	.	.	3	L	.	0	L
	Total Bio1 region	125	\$13,197.83	0	L	3	L	82	\$8,546.42	19	\$18,287.31	21	\$21,059.91	

Data Source: New Jersey Commission on Higher Education SURE completer data (2006) and NJLWD UI wage record data (fourth quarter of 2005 to first quarter of 2008).

TEAM 6. Facilitate Globally Competitive Bio-Business
Category 4. Economy / Innovation: 2004 1st Quarter

Table 1. Employment in Bioscience industry in bio1 region by county (20041)

County	Emp	Average quarterly wages	Average weekly wages
Hunterdon	8,629	\$35,895.74	\$2,802.16
Mercer	8,124	\$29,204.32	\$2,515.25
Middlesex	10,039	\$18,424.73	\$1,557.20
Monmouth	1,853	\$11,979.38	\$1,060.86
Somerset	9,592	\$35,694.31	\$2,969.85
Total Bio-1 region	38,237	\$28,677.55	\$2,372.23

Table 2. Employment in Bioscience industry in bio1 region by naics (20041)

Naics	Naics name	Emp	Average quarterly wages	Average weekly wages
325199	All Other Basic Organic Chemical Manufacturing	1,784	\$20,974.75	\$1,753.24
325311	Nitrogenous Fertilizer Manufacturing	17	\$10,137.88	\$855.86
325312	Phosphatic Fertilizer Manufacturing	54	\$12,816.80	\$1,047.05
325411	Medicinal and Botanical Manufacturing	8,273	\$36,345.46	\$2,834.03
325412	Pharmaceutical Preparation Manufacturing	12,176	\$34,743.49	\$2,903.71
325413	In-Vitro Diagnostic Substance Manufacturing	947	\$28,869.29	\$2,694.47
325414	Biological Product (except Diagnostic) Manufacturi	503	\$32,408.33	\$2,777.92
334510	Electromedical and Electrotherapeutic Apparatus M	791	\$11,316.57	\$940.86
334516	Analytical Laboratory Instrument Manufacturing	534	\$13,454.12	\$1,151.09
339111	Laboratory Apparatus and Furniture Manufacturing	129	\$10,775.00	\$846.71
339112	Surgical and Medical Instrument Manufacturing	711	\$11,366.79	\$935.32
339113	Surgical Appliance and Supplies Manufacturing	1,430	\$32,048.15	\$2,729.24
339114	Dental Equipment and Supplies Manufacturing	L		
339115	Ophthalmic Goods Manufacturing	22	\$8,890.18	\$797.97
339116	Dental Laboratories	299	\$7,587.01	\$708.18
541380	Testing Laboratories	919	\$12,803.15	\$1,088.96
541710	Research and Development in the Physical, Engine	7,606	\$23,254.15	\$1,983.96
621511	Medical Laboratories	974	\$13,524.39	\$1,113.71
621512	Diagnostic Imaging Centers	1,060	\$14,278.90	\$1,223.40
	Total bio1 region	38,237	\$28,677.55	\$2,372.23

Table 3. Employment in Bioscience industry in New Jersey by naics (20041)

Naics	Naics name	Emp	Average quarterly wages	Average weekly wages
311221	Wet Corn Milling	56	\$20,517.52	\$1,631.01
325199	All Other Basic Organic Chemical Manufacturing	4,065	\$18,383.43	\$1,576.02
325221	Cellulosic Organic Fiber Manufacturing	16	\$12,191.56	\$1,071.18
325311	Nitrogenous Fertilizer Manufacturing	17	\$10,137.88	\$855.86
325312	Phosphatic Fertilizer Manufacturing	54	\$12,816.80	\$1,047.05
325320	Pesticide and Other Agricultural Chemical Manufact	104	\$10,730.67	\$918.04
325411	Medicinal and Botanical Manufacturing	9,702	\$33,170.04	\$2,593.45
325412	Pharmaceutical Preparation Manufacturing	36,172	\$30,230.63	\$2,505.51
325413	In-Vitro Diagnostic Substance Manufacturing	1,343	\$25,373.41	\$2,308.76
325414	Biological Product (except Diagnostic) Manufacturi	512	\$32,130.60	\$2,761.22
334510	Electromedical and Electrotherapeutic Apparatus M	2,000	\$15,308.83	\$1,317.49
334516	Analytical Laboratory Instrument Manufacturing	916	\$14,034.91	\$1,173.67
334517	Irradiation Apparatus Manufacturing	150	\$9,222.07	\$758.96
339111	Laboratory Apparatus and Furniture Manufacturing	560	\$16,310.40	\$1,560.08
339112	Surgical and Medical Instrument Manufacturing	2,074	\$35,216.55	\$8,985.85
339113	Surgical Appliance and Supplies Manufacturing	5,983	\$19,907.75	\$1,664.48
339114	Dental Equipment and Supplies Manufacturing	498	\$9,896.22	\$1,010.70
339115	Ophthalmic Goods Manufacturing	638	\$7,340.13	\$652.76
339116	Dental Laboratories	1,508	\$7,774.72	\$716.69
541380	Testing Laboratories	7,490	\$16,327.73	\$1,404.14
541710	Research and Development in the Physical, Engine	16,871	\$21,794.57	\$1,854.40
621511	Medical Laboratories	7,928	\$18,467.03	\$1,517.19
621512	Diagnostic Imaging Centers	3,227	\$12,858.89	\$1,130.86
	Total New Jersey	101,884	\$24,432.35	\$2,160.46

Data Source: UI wage data 20041 .

TEAM 6. Facilitate Globally Competitive Bio-Business
Category 4. Economy / Innovation: 2005 1st Quarter

Table 1. Employment in Bioscience industry in bio1 region by county (20051)

County	Emp	Average quarterly wages	Average weekly wages
Hunterdon	8,593	\$33,609.40	\$2,698.47
Mercer	8,371	\$29,127.24	\$1,827.19
Middlesex	10,152	\$21,963.88	\$1,766.99
Monmouth	2,252	\$10,615.15	\$961.98
Somerset	10,783	\$36,814.00	\$3,008.88
Total Bio-1 region	40,151	\$29,301.33	\$2,268.67

Table 2. Employment in Bioscience industry in bio1 region by naics (20051)

Naics	Naics name	Emp	Average quarterly wages	Average weekly wages
325199	All Other Basic Organic Chemical Manufa	1,705	\$23,683.55	\$2,025.71
325311	Nitrogenous Fertilizer Manufacturing	16	\$10,611.19	\$855.28
325312	Phosphatic Fertilizer Manufacturing	105	\$8,326.50	\$770.30
325320	Pesticide and Other Agricultural Chemical L			
325411	Medicinal and Botanical Manufacturing	8,255	\$33,943.68	\$2,716.81
325412	Pharmaceutical Preparation Manufacturing	13,137	\$35,413.62	\$2,706.85
325413	In-Vitro Diagnostic Substance Manufactu	800	\$31,742.30	\$985.31
325414	Biological Product (except Diagnostic) Ma	717	\$32,847.10	\$3,145.67
334510	Electromedical and Electrotherapeutic Ap	805	\$12,388.32	\$1,242.64
334516	Analytical Laboratory Instrument Manufac	526	\$13,246.47	\$1,238.41
339111	Laboratory Apparatus and Furniture Man	104	\$10,868.35	\$847.35
339112	Surgical and Medical Instrument Manufac	740	\$10,633.92	\$914.76
339113	Surgical Appliance and Supplies Manufac	1,744	\$31,030.46	\$520.07
339114	Dental Equipment and Supplies Manufac	39	\$2,266.38	\$642.83
339115	Ophthalmic Goods Manufacturing	20	\$14,150.30	\$909.55
339116	Dental Laboratories	236	\$8,107.92	\$753.59
541380	Testing Laboratories	891	\$12,800.47	\$1,112.42
541710	Research and Development in the Physic	8,073	\$26,937.41	\$2,249.79
621511	Medical Laboratories	1,153	\$12,989.11	\$1,117.71
621512	Diagnostic Imaging Centers	1,081	\$13,383.91	\$1,181.55
	Total bio1 region	40,151	\$29,301.33	\$2,268.67

Table 3. Employment in Bioscience industry in New Jersey by naics (20051)

Naics	Naics name	Emp	Average quarterly wages	Average weekly wages
311221	Wet Corn Milling	45	\$21,336.42	\$1,731.99
311222	Soybean Processing	L		
325199	All Other Basic Organic Chemical Manufa	4,066	\$20,910.13	\$1,825.86
325221	Cellulosic Organic Fiber Manufacturing	16	\$13,458.38	\$1,083.59
325311	Nitrogenous Fertilizer Manufacturing	16	\$10,611.19	\$855.28
325312	Phosphatic Fertilizer Manufacturing	180	\$13,695.29	\$1,146.21
325320	Pesticide and Other Agricultural Chemical	127	\$11,758.91	\$1,004.76
325411	Medicinal and Botanical Manufacturing	9,570	\$31,733.86	\$2,565.68
325412	Pharmaceutical Preparation Manufacturing	37,532	\$30,069.73	\$2,470.07
325413	In-Vitro Diagnostic Substance Manufactu	1,207	\$27,187.81	\$1,338.72
325414	Biological Product (except Diagnostic) Ma	727	\$32,655.62	\$3,126.73
334510	Electromedical and Electrotherapeutic Ap	2,083	\$15,128.87	\$1,382.76
334516	Analytical Laboratory Instrument Manufa	929	\$14,326.76	\$1,260.67
334517	Irradiation Apparatus Manufacturing	145	\$9,877.10	\$811.01
339111	Laboratory Apparatus and Furniture Man	708	\$11,269.74	\$943.66
339112	Surgical and Medical Instrument Manufa	2,733	\$26,011.45	\$5,681.54
339113	Surgical Appliance and Supplies Manufa	6,291	\$20,731.11	\$1,337.61
339114	Dental Equipment and Supplies Manufac	525	\$9,846.93	\$1,012.81
339115	Ophthalmic Goods Manufacturing	671	\$6,799.53	\$601.04
339116	Dental Laboratories	1,511	\$7,821.47	\$721.53
541380	Testing Laboratories	7,246	\$19,023.16	\$1,590.62
541710	Research and Development in the Physic	17,311	\$24,714.85	\$2,052.81
621511	Medical Laboratories	8,521	\$16,126.25	\$1,013.37
621512	Diagnostic Imaging Centers	3,545	\$12,147.44	\$1,100.13
	Total New Jersey	105,706	\$24,621.14	\$2,115.69

Data Source: UI wage data 20051 .

TEAM 6. Facilitate Globally Competitive Bio-Business
Category 4. Economy / Innovation: 2006 1st Quarter

Table 1. Employment in Bioscience industry in bio1 region by county (20061)

County	Emp	Average quarterly wages	Average weekly wages
Hunterdon	7,723	\$37,148.81	\$3,206.36
Mercer	9,450	\$27,927.22	\$2,478.57
Middlesex	9,775	\$22,484.42	\$1,985.37
Monmouth	2,353	\$11,035.16	\$1,036.65
Somerset	10,291	\$44,621.81	\$3,890.88
Total Bio-1 region	39,592	\$31,717.68	\$2,782.39

Table 2. Employment in Bioscience industry in bio1 region by naics (20061)

Naics	Naics name	Emp	Average quarterly wages	Average weekly wages
325199	All Other Basic Organic Chemical Manufacturing	1,593	\$23,020.43	\$2,038.05
325311	Nitrogenous Fertilizer Manufacturing	18	\$9,748.17	\$876.77
325312	Phosphatic Fertilizer Manufacturing	90	\$11,205.24	\$992.31
325320	Pesticide and Other Agricultural Chemical Manufacturing			
325411	Medicinal and Botanical Manufacturing	7,393	\$37,573.22	\$3,238.36
325412	Pharmaceutical Preparation Manufacturing	12,660	\$41,135.16	\$3,586.32
325413	In-Vitro Diagnostic Substance Manufacturing	897	\$32,858.88	\$2,862.59
325414	Biological Product (except Diagnostic) Manufacturing	870	\$35,867.25	\$3,138.27
334510	Electromedical and Electrotherapeutic Apparatus Manufacturing	787	\$12,675.71	\$1,123.39
334516	Analytical Laboratory Instrument Manufacturing	513	\$15,467.50	\$1,380.41
339111	Laboratory Apparatus and Furniture Manufacturing	111	\$10,176.53	\$891.02
339112	Surgical and Medical Instrument Manufacturing	845	\$11,342.93	\$996.76
339113	Surgical Appliance and Supplies Manufacturing	1,835	\$34,248.99	\$2,986.41
339114	Dental Equipment and Supplies Manufacturing	64	\$10,988.72	\$976.43
339115	Ophthalmic Goods Manufacturing	23	\$10,730.09	\$1,230.88
339116	Dental Laboratories	250	\$7,672.09	\$821.42
541380	Testing Laboratories	1,165	\$13,433.77	\$1,226.01
541710	Research and Development in the Physical, Engineering, and Computer Sciences	8,048	\$26,478.73	\$2,369.89
621511	Medical Laboratories	1,276	\$15,324.68	\$1,349.31
621512	Diagnostic Imaging Centers	1,151	\$13,914.13	\$1,308.76
	Total bio1 region	39,592	\$31,717.68	\$2,782.39

Table 3. Employment in Bioscience industry in New Jersey by naics (20061)

Naics	Naics name	Emp	Average quarterly wages	Average weekly wages
311221	Wet Corn Milling	35	\$25,184.29	\$2,122.07
311222	Soybean Processing	L		
325199	All Other Basic Organic Chemical Manufacturing	3,723	\$21,376.18	\$1,927.72
325221	Cellulosic Organic Fiber Manufacturing	14	\$14,553.57	\$1,550.40
325311	Nitrogenous Fertilizer Manufacturing	18	\$9,748.17	\$876.77
325312	Phosphatic Fertilizer Manufacturing	180	\$25,713.40	\$2,180.07
325320	Pesticide and Other Agricultural Chemical Manufacturing	128	\$12,608.95	\$1,110.01
325411	Medicinal and Botanical Manufacturing	8,660	\$34,384.94	\$2,969.91
325412	Pharmaceutical Preparation Manufacturing	40,945	\$36,081.41	\$3,424.96
325413	In-Vitro Diagnostic Substance Manufacturing	1,309	\$28,258.17	\$2,460.73
325414	Biological Product (except Diagnostic) Manufacturing	882	\$35,719.52	\$3,123.93
334510	Electromedical and Electrotherapeutic Apparatus Manufacturing	2,207	\$17,467.87	\$1,529.58
334516	Analytical Laboratory Instrument Manufacturing	929	\$16,003.26	\$1,403.23
334517	Irradiation Apparatus Manufacturing	129	\$10,521.59	\$921.34
339111	Laboratory Apparatus and Furniture Manufacturing	558	\$13,229.10	\$1,180.05
339112	Surgical and Medical Instrument Manufacturing	2,878	\$18,950.36	\$1,646.35
339113	Surgical Appliance and Supplies Manufacturing	6,429	\$22,562.04	\$2,025.07
339114	Dental Equipment and Supplies Manufacturing	559	\$11,705.92	\$1,099.96
339115	Ophthalmic Goods Manufacturing	690	\$7,475.83	\$771.23
339116	Dental Laboratories	1,610	\$8,110.59	\$778.88
541380	Testing Laboratories	4,866	\$11,670.87	\$1,097.82
541710	Research and Development in the Physical, Engineering, and Computer Sciences	17,893	\$26,507.55	\$2,363.00
621511	Medical Laboratories	8,789	\$17,119.21	\$1,203.20
621512	Diagnostic Imaging Centers	3,641	\$13,567.39	\$1,278.60
	Total New Jersey	107,073	\$27,534.20	\$2,479.89

Data Source: UI wage data 20061 .

TEAM 6. Facilitate Globally Competitive Bio-Business
Category 4. Economy / Innovation: 2007 1st Quarter

Table 1. Employment in Bioscience industry in bio1 region by county (20071)

County	Emp	Average quarterly wages	Average weekly wages
Hunterdon	7,665	\$42,369.79	\$3,740.15
Mercer	9,450	\$30,537.49	\$2,702.27
Middlesex	9,905	\$23,467.21	\$2,097.16
Monmouth	2,356	\$11,225.42	\$1,057.22
Somerset	10,735	\$48,237.49	\$4,247.09
Total Bio-1 region	40,111	\$34,655.41	\$3,070.11

Table 2. Employment in Bioscience industry in bio1 region by naics (20071)

Naics	Naics name	Emp	Average quarterly wages	Average weekly wages
325199	All Other Basic Organic Chemical Manufacturing	1,524	\$25,227.10	\$2,269.66
325311	Nitrogenous Fertilizer Manufacturing	15	\$11,601.93	\$981.16
325312	Phosphatic Fertilizer Manufacturing	92	\$11,795.27	\$1,165.48
325411	Medicinal and Botanical Manufacturing	7,297	\$44,242.06	\$3,889.94
325412	Pharmaceutical Preparation Manufacturing	13,582	\$44,438.63	\$3,927.50
325413	In-Vitro Diagnostic Substance Manufacturing	903	\$33,243.33	\$2,850.26
325414	Biological Product (except Diagnostic) Manufacturi	913	\$36,318.02	\$3,179.27
334510	Electromedical and Electrotherapeutic Apparatus Ma	797	\$13,324.35	\$1,194.36
334516	Analytical Laboratory Instrument Manufacturing	511	\$16,229.35	\$1,507.62
339111	Laboratory Apparatus and Furniture Manufacturing	112	\$10,356.74	\$946.68
339112	Surgical and Medical Instrument Manufacturing	860	\$11,923.66	\$1,063.71
339113	Surgical Appliance and Supplies Manufacturing	1,830	\$33,036.18	\$2,861.81
339114	Dental Equipment and Supplies Manufacturing	67	\$11,892.60	\$1,129.58
339115	Ophthalmic Goods Manufacturing	22	\$7,371.73	\$768.65
339116	Dental Laboratories	245	\$8,215.13	\$812.83
541380	Testing Laboratories	1,150	\$15,080.42	\$1,339.16
541710	Research and Development in the Physical, Enginee	7,661	\$27,572.28	\$2,473.51
621511	Medical Laboratories	1,384	\$16,231.07	\$1,444.76
621512	Diagnostic Imaging Centers	1,146	\$13,951.53	\$1,281.68
	Total bio 1 region	40,111	\$34,655.41	\$3,070.11

Table 3. Employment in Bioscience industry in New Jersey by naics (20071)

Naics	Naics name	Emp	Average quarterly wages	Average weekly wages
311222	Soybean Processing	L		
325199	All Other Basic Organic Chemical Manufacturing	3,555	\$22,495.27	\$1,963.78
325221	Cellulosic Organic Fiber Manufacturing	L		
325311	Nitrogenous Fertilizer Manufacturing	17	\$12,409.00	\$981.16
325312	Phosphatic Fertilizer Manufacturing	183	\$28,608.15	\$2,516.08
325320	Pesticide and Other Agricultural Chemical Manufact	126	\$12,456.98	\$1,105.42
325411	Medicinal and Botanical Manufacturing	8,683	\$40,203.54	\$3,534.05
325412	Pharmaceutical Preparation Manufacturing	42,049	\$39,913.51	\$3,626.55
325413	In-Vitro Diagnostic Substance Manufacturing	1,311	\$29,308.63	\$2,516.69
325414	Biological Product (except Diagnostic) Manufacturi	925	\$36,129.49	\$3,161.78
334510	Electromedical and Electrotherapeutic Apparatus Ma	2,118	\$16,999.52	\$1,497.73
334516	Analytical Laboratory Instrument Manufacturing	945	\$16,396.92	\$1,478.27
334517	Irradiation Apparatus Manufacturing	127	\$9,867.42	\$860.29
339111	Laboratory Apparatus and Furniture Manufacturing	548	\$13,519.53	\$1,205.27
339112	Surgical and Medical Instrument Manufacturing	2,929	\$23,331.20	\$2,167.36
339113	Surgical Appliance and Supplies Manufacturing	5,798	\$25,421.84	\$2,455.50
339114	Dental Equipment and Supplies Manufacturing	590	\$11,562.71	\$1,309.03
339115	Ophthalmic Goods Manufacturing	670	\$7,394.89	\$732.39
339116	Dental Laboratories	1,548	\$8,571.97	\$836.94
541380	Testing Laboratories	4,729	\$12,642.33	\$1,174.19
541710	Research and Development in the Physical, Enginee	17,682	\$28,032.35	\$2,549.96
621511	Medical Laboratories	9,078	\$16,808.65	\$4,953.08
621512	Diagnostic Imaging Centers	3,536	\$13,970.73	\$1,320.02
	Total New Jersey	107,183	\$30,282.64	\$3,060.76

Data Source: UI wage data 20071 .

TEAM 6. Facilitate Globally Competitive Bio-Business
Category 4. Economy / Innovation: 2008 1st Quarter

Table 1. Employment in Bioscience industry in bio1 region by county (20081)

County	Emp	Average quarterly wages	Average weekly wages
Hunterdon	7,195	\$49,158.02	\$4,002.87
Mercer	7,856	\$31,770.40	\$2,414.10
Middlesex	9,890	\$22,377.39	\$1,800.99
Monmouth	2,401	\$12,475.93	\$1,158.79
Somerset	10,910	\$47,648.44	\$4,053.98
Total Bio-1 region	38,252	\$35,929.93	\$2,922.15

Table 2. Employment in Bioscience industry in bio1 region by naics (20081)

Naics	Naics name	Emp	Average quarterly wages	Average weekly wages
325199	All Other Basic Organic Chemical Manufacturing	1,521	\$24,258.70	\$1,960.86
325311	Nitrogenous Fertilizer Manufacturing	16	\$11,400.75	\$901.85
325312	Phosphatic Fertilizer Manufacturing	105	\$12,758.80	\$1,140.43
325411	Medicinal and Botanical Manufacturing	7,220	\$49,693.23	\$4,061.71
325412	Pharmaceutical Preparation Manufacturing	11,441	\$45,933.38	\$3,955.89
325413	In-Vitro Diagnostic Substance Manufacturing	957	\$31,598.07	\$1,010.53
325414	Biological Product (except Diagnostic) Manufacturi	1,043	\$42,949.86	\$3,398.95
334510	Electromedical and Electrotherapeutic Apparatus Ma	778	\$14,631.36	\$1,254.36
334516	Analytical Laboratory Instrument Manufacturing	524	\$16,129.69	\$1,532.13
339111	Laboratory Apparatus and Furniture Manufacturing	114	\$13,130.40	\$1,045.59
339112	Surgical and Medical Instrument Manufacturing	930	\$12,715.15	\$1,038.31
339113	Surgical Appliance and Supplies Manufacturing	1,845	\$33,034.86	\$593.42
339114	Dental Equipment and Supplies Manufacturing	70	\$12,100.07	\$1,012.91
339115	Ophthalmic Goods Manufacturing	28	\$5,947.64	\$529.05
339116	Dental Laboratories	224	\$8,853.77	\$1,006.69
541380	Testing Laboratories	1,181	\$15,155.59	\$1,268.42
541710	Research and Development in the Physical, Engineer	7,686	\$27,202.50	\$2,257.36
621511	Medical Laboratories	1,459	\$24,738.99	\$2,002.09
621512	Diagnostic Imaging Centers	1,110	\$14,822.26	\$1,454.60
	Total Bio-1 region	38,252	\$35,929.93	\$2,922.15

Table 3. Employment in Bioscience industry in New Jersey by naics (20081)

Naics	Naics name	Emp	Average quarterly wages	Average weekly wages
311221	Wet Corn Milling	26	\$35,709.92	\$2,764.20
325199	All Other Basic Organic Chemical Manufacturing	3,420	\$22,968.53	\$1,939.75
325221	Cellulosic Organic Fiber Manufacturing	L		
325311	Nitrogenous Fertilizer Manufacturing	19	\$14,049.05	\$901.85
325312	Phosphatic Fertilizer Manufacturing	207	\$29,447.18	\$2,433.40
325320	Pesticide and Other Agricultural Chemical Manufact	100	\$14,622.50	\$1,196.49
325411	Medicinal and Botanical Manufacturing	8,539	\$45,594.86	\$3,728.59
325412	Pharmaceutical Preparation Manufacturing	39,479	\$42,487.58	\$3,557.83
325413	In-Vitro Diagnostic Substance Manufacturing	1,438	\$29,052.18	\$1,725.91
325414	Biological Product (except Diagnostic) Manufacturi	1,055	\$42,704.11	\$3,380.63
334510	Electromedical and Electrotherapeutic Apparatus Ma	2,038	\$16,721.97	\$1,677.17
334516	Analytical Laboratory Instrument Manufacturing	957	\$17,099.43	\$1,506.58
334517	Irradiation Apparatus Manufacturing	129	\$9,240.43	\$792.73
339111	Laboratory Apparatus and Furniture Manufacturing	574	\$14,264.64	\$1,162.13
339112	Surgical and Medical Instrument Manufacturing	2,171	\$41,168.65	\$3,489.84
339113	Surgical Appliance and Supplies Manufacturing	4,734	\$28,176.93	\$1,819.27
339114	Dental Equipment and Supplies Manufacturing	447	\$12,607.20	\$1,265.66
339115	Ophthalmic Goods Manufacturing	732	\$7,090.15	\$715.13
339116	Dental Laboratories	1,440	\$9,338.03	\$899.74
541380	Testing Laboratories	4,700	\$13,393.49	\$1,163.82
541710	Research and Development in the Physical, Engineer	18,082	\$27,682.01	\$2,286.15
621511	Medical Laboratories	9,335	\$18,219.87	\$1,269.07
621512	Diagnostic Imaging Centers	3,473	\$14,095.98	\$1,326.01
	Total New Jersey	103,096	\$32,302.50	\$2,700.64

Data Source: UI wage data 20081 .

TEAM 6. Facilitate Globally Competitive Bio-Business
Category 4. Economy / Innovation: 2008 2nd Quarter

**UPDATED
DATA**

Table 1. Employment in Bioscience Industry in the Bio-1 region by county (2008 - Quarter 2)

County	Emp	Average quarterly wages	Average weekly wages
Hunterdon	7,503	\$27,382.07	\$2,308.32
Mercer	7,217	\$24,311.97	\$2,018.61
Middlesex	9,790	\$22,833.38	\$1,830.34
Monmouth	2,348	\$12,162.85	\$994.73
Somerset	10,708	\$32,540.57	\$2,630.03
Total Bio-1 region	37,566	\$26,125.99	\$2,137.86

Table 2. Employment in Bioscience industry in Bio-1 region by Sub-Industry (2008 - Quarter 2)

Naics	Naics name	Emp	Average quarterly wages	Average weekly wages
325199	All Other Basic Organic Chemical Manufacturing	1,518	\$22,653.44	\$1,767.74
325311	Nitrogenous Fertilizer Manufacturing			
325312	Phosphatic Fertilizer Manufacturing	116	\$14,304.47	\$1,215.10
325314	Fertilizer (Mixing Only) Manufacturing			
325411	Medicinal and Botanical Manufacturing	7,206	\$28,054.10	\$2,355.41
325412	Pharmaceutical Preparation Manufacturing	11,055	\$28,091.88	\$2,307.08
325413	In-Vitro Diagnostic Substance Manufacturing	941	\$22,751.16	\$1,889.34
325414	Biological Product (except Diagnostic) Manufacturi	1,079	\$22,426.28	\$1,878.06
334510	Electromedical and Electrotherapeutic Apparatus Ma	771	\$15,867.43	\$1,259.17
334516	Analytical Laboratory Instrument Manufacturing	522	\$15,910.38	\$1,420.06
339111	Laboratory Apparatus and Furniture Manufacturing	113	\$11,310.63	\$909.42
339112	Surgical and Medical Instrument Manufacturing	939	\$14,628.04	\$1,173.42
339113	Surgical Appliance and Supplies Manufacturing	1,931	\$22,462.66	\$1,846.16
339114	Dental Equipment and Supplies Manufacturing	66	\$12,339.88	\$955.33
339115	Ophthalmic Goods Manufacturing			
339116	Dental Laboratories	213	\$9,368.40	\$808.09
541380	Testing Laboratories	1,149	\$16,505.63	\$1,504.80
541710	Research and Development in the Physical, Engineer	7,610	\$27,565.94	\$2,204.53
621511	Medical Laboratories	1,338	\$43,319.95	\$3,424.89
621512	Diagnostic Imaging Centers	954	\$19,045.72	\$1,423.76
	Total Bio1 Region	37,566	\$26,125.99	\$2,137.86

Table 3. Employment in Bioscience industry in New Jersey by Sub-industry (2008 - Quarter 2)

Naics	Naics name	Emp	Average quarterly wages	Average weekly wages
311221	Wet Corn Milling			
325199	All Other Basic Organic Chemical Manufacturing	3,426	\$22,377.32	\$1,824.15
325221	Cellulosic Organic Fiber Manufacturing			
325311	Nitrogenous Fertilizer Manufacturing			
325312	Phosphatic Fertilizer Manufacturing	217	\$20,177.70	\$1,602.23
325314	Fertilizer (Mixing Only) Manufacturing	114	\$13,865.50	\$1,133.83
325320	Pesticide and Other Agricultural Chemical Manufact	95	\$14,054.45	\$1,108.48
325411	Medicinal and Botanical Manufacturing	8,491	\$26,457.06	\$2,213.20
325412	Pharmaceutical Preparation Manufacturing	38,210	\$27,546.18	\$2,254.39
325413	In-Vitro Diagnostic Substance Manufacturing	1,412	\$21,901.69	\$2,000.57
325414	Biological Product (except Diagnostic) Manufacturi	1,091	\$22,492.54	\$1,882.63
334510	Electromedical and Electrotherapeutic Apparatus Ma	1,770	\$19,516.84	\$1,464.47
334516	Analytical Laboratory Instrument Manufacturing	946	\$16,834.02	\$1,432.92
334517	Irradiation Apparatus Manufacturing	110	\$10,929.00	\$1,263.18
339111	Laboratory Apparatus and Furniture Manufacturing	559	\$11,484.73	\$956.55
339112	Surgical and Medical Instrument Manufacturing	2,144	\$22,359.00	\$2,220.54
339113	Surgical Appliance and Supplies Manufacturing	5,552	\$20,130.18	\$1,638.29
339114	Dental Equipment and Supplies Manufacturing	434	\$12,073.47	\$1,391.13
339115	Ophthalmic Goods Manufacturing	751	\$9,598.82	\$1,092.30
339116	Dental Laboratories	1,380	\$9,935.80	\$817.02
541380	Testing Laboratories	4,635	\$13,530.65	\$1,168.48
541710	Research and Development in the Physical, Engineer	17,825	\$26,644.31	\$2,160.68
621511	Medical Laboratories	8,744	\$20,989.33	\$1,685.92
621512	Diagnostic Imaging Centers	3,001	\$17,502.60	\$1,355.50
	Total New Jersey	100,951	\$24,121.82	\$1,996.54

Data Source: UI wage data 20082 .