Research & Development (R&D)

Baseline Supply and Demand Analysis: Occupations with 100+ Annual Job Openings

							e Average Annual Job Openings due to			Median Annual	Training/ Education
	CIP codes	Title	2009 Completers	Emp.							
SOC Codes				2008	Number	Percent	Growth	Replcmnts	Total	Wage	Level
193021		Market Research Analysts		15667	3815	24.4	382	421	803	\$56,631	Bachelor's degree
	450601	Economics, General	1513								
	450699	Economics, Other	20								
	520601	Business/Managerial Economics	234								
	521402	Marketing Research	14								
172112		Industrial Engineers		8359	1346	16.1	135	214	349	\$70,781	Bachelor's degree
	143501	Industrial Engineering	219								
172051		Civil Engineers		7486	1901	25.4	190	126	316	\$76,006	Bachelor's degree
	140801	Civil Engineering, General	233								
	140804	Transportation and Highway Engineering	5								
172199		Engineers, All Other		11736	384	3.3	38	243	281	\$85,483	Bachelor's degree
	140101	Engineering, General	162								
	140401	Architectural Engineering	19								
	141101	Engineering Mechanics	24								
	141201	Engineering Physics	23								
	141301	Engineering Science	3								
	142701	Systems Engineering	7								
	143301	Construction Engineering	28								
	143601	Manufacturing Engineering	29								
	149999	Engineering, Other	48								
172141		Mechanical Engineers		8232	126	1.5	13	211	224	\$72,002	Bachelor's degree
	141901	Mechanical Engineering	817								
194091		Environmental Science & Protection Technicians		2337	321	13.7	32	100	132	\$41,787	Associate degree
	030103	Environmental Studies	58								
	030104	Environmental Science	107								
	419999	Science Technologies/Technicians, Other	2								
172072		Electronics Engineers, exc. Computer		4146	283	6.8	28	95	123	\$83,866	Bachelor's degree
	141001	Electrical, Electronics and Communications Engineering	1116								
172071		Electrical Engineers		5033	38	0.8	4	116	120	\$84,984	Bachelor's degree
	141001	Electrical, Electronics and Communications Engineering	1116								
192012		Physicists		3061	256	8.4	26	87	113	\$110,579	Doctoral degree
	400801	Physics, General	356								
	512205	Health/Medical Physics	18								

				2009	Emp.	Employment Change 2008-2018		Average Annual Job Openings due to			Median Annual	Training/ Education
SOC Codes	CIP codes	Title		Completers	2008	Number	Percent	Growth	Replcmnts	Total	Wage	Level
191042		Medical Scientists			2066	638	30.9	64	42	106	\$115,580	Doctoral degree
	260102	Biomedical Sciences, General		113								
	260202	Biochemistry		146								
	260203	Biophysics		14								
	260204	Molecular Biology		4								
	260401	Cell/Cellular Biology and Histology		16								
	260403	Anatomy		5								
	260507	Immunology		13								
	260806	Human/Medical Genetics		3								
	260901	Physiology, General		33								
	260902	Molecular Physiology		6								
	260906	Neurobiology and Neurophysiology		10								
	260911	Oncology and Cancer Biology		3								
	261001	Pharmacology		10								
	261102	Biostatistics		3								
	511401	Medical Scientist (MS, PhD)		20								
	Sources:	2009 Enrollments/ Degrees Databas	e - Illinois Board of Higher Educ	cation								

2009 Graduating Concentrators Database - Illinois State Board of Education. Concentrators are defined as students enrolling in two or more training-level courses

Coverage: All institutions of higher education including public universities, community colleges, independent not-for-profit institutions,

independent for-profit institutions, and out-of-state institutions approved to offer degree programs in Illinois.

within a program sequence.

ISBE data currently cover only students participating in approved Career and Technical Education programs. No ISBE data are included in R&D.