

**Science, Technology, Engineering, Mathematics (STEM) Degrees  
by Field of Study and Degree Level  
2016-2017 Public Institutions**

CIP Code	Field of Study	Certificate	Associate's	Bachelor's	Graduate Certificate	Master's	Doctoral	TOTAL
<b>ACTUARIAL SCIENCE</b>								
521304	Actuarial Science.			12				12
<b>AERONAUTICS/AEROSPACE SCIENCE &amp; TECHNOLOGY</b>								
490101	Aeronautics/Aviation/Aerospace Science and Technology, General.			103		11		114
<b>AGRICULTURE</b>								
010000	Agriculture, General.		133	24		7		164
010901	Animal Sciences, General.			215		9		224
010904	Animal Nutrition.						1	1
011001	Food Science.			9		6	2	17
011102	Agronomy and Crop Science.			9				9
011103	Horticultural Science.			13		2		15
011201	Soil Science and Agronomy, General.			25		16		41
011299	Soil Sciences, Other.						2	2
019999	Agriculture, Agriculture Operations, and Related Sciences, Other.		32					32
<b>BIOLOGICAL &amp; BIOMEDICAL SCIENCE</b>								
260101	Biology/Biological Sciences, General.		103	449		1		553
260102	Biomedical Sciences, General.					3	4	7
260202	Biochemistry.			83	2	4	3	92
260210	Biochemistry and Molecular Biology.						4	4
260301	Botany/Plant Biology.			9		2	3	14
260305	Plant Pathology/Phytopathology.						4	4
260401	Cell/Cellular Biology and Histology.						6	6
260406	Cell/Cellular and Molecular Biology.			10				10
260502	Microbiology, General.			103		11	8	122
260503	Medical Microbiology and Bacteriology.						7	7
260701	Zoology/Animal Biology.			170		13	8	191
260702	Entomology.			5		7	2	14
260901	Physiology, General.			24		1	6	31
260908	Exercise Physiology.					12	4	16
260910	Pathology/Experimental Pathology.						1	1
261004	Toxicology.				2			2
261102	Biostatistics.					3	5	8
261201	Biotechnology.	6	9	1				16
261301	Ecology.			53		10	5	68
261310	Ecology and Evolutionary Biology.						8	8
261501	Neuroscience.						3	3
269999	Biological and Biomedical Sciences, Other.		52			2		54
<b>COMPUTER &amp; INFORMATION SCIENCE</b>								
110101	Computer and Information Sciences, General.		113	148		11	4	276
110103	Information Technology.	8	114	153		78		353
110199	Computer and Information Sciences, Other.		48					48
110201	Computer Programming/Programmer, General.	12	3					15
110401	Information Science/Studies.		6	22				28
110701	Computer Science.		9	75		34	4	122
110802	Data Modeling/Warehousing and Database Administration.		4					4
110803	Computer Graphics.		9	4				13
110901	Computer Systems Networking and Telecommunications.	29	1			13		43
111002	System, Networking, and LAN/WAN Management/Manager.		3					3
111003	Computer and Information Systems Security/Information Assurance.	22		41	5			68
<b>ENGINEERING</b>								
140101	Engineering, General.		43					43
140102	Pre-Engineering.		149					149
140201	Aerospace, Aeronautical and Astronautical/Space Engineering.			66		74	2	142
140301	Agricultural Engineering.			22		4	4	30
140401	Architectural Engineering.			28				28
140501	Bioengineering and Biomedical Engineering.			17		3		20
140701	Chemical Engineering.		1	160		13	6	180
140801	Civil Engineering, General.			96		38	12	146
140901	Computer Engineering, General.			56				56
140903	Computer Software Engineering.			8				8
141001	Electrical and Electronics Engineering			109		59	20	188
141004	Telecommunications Engineering.					6		6
141201	Engineering Physics/Applied Physics.			51		16		67
141401	Environmental/Environmental Health Engineering.			9		7		16
141801	Materials Engineering.					5		5
141901	Mechanical Engineering.			319		38	7	364
142501	Petroleum Engineering.			160	1	52	3	216
143501	Industrial Engineering.			82		65	5	152
143901	Geological/Geophysical Engineering.					2		2

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149999	Engineering, Other.					32		32
<b>ENGINEERING TECHNOLOGY</b>								
150000	Engineering Technology, General.		59	28				87
150201	Civil Engineering Technology/Technician.			11				11
150303	Electrical, Electronic and Communications Engineering Technology/Technician.	23	22	14				59
150401	Biomedical Technology/Technician.						2	2
150404	Instrumentation Technology/Technician.			21				21
150503	Energy Management and Systems Technology/Technician.	7	7					14
150507	Environmental Engineering Technology/Environmental Technology.		3					3
150612	Industrial Technology/Technician.		6	9				15
150613	Manufacturing Engineering Technology/Technician.		1	13				14
150699	Industrial Production Technologies/Technicians, Other.	3	4					7
150701	Occupational Safety and Health Technology/Technician.		20	130				150
150702	Quality Control Technology/Technician.	1						1
150703	Industrial Safety Technology/Technician.			150		18		168
150801	Aeronautical/Aerospace Engineering Technology/Technician.		9					9
150803	Automotive Engineering Technology/Technician.		7					7
150805	Mechanical Engineering/Mechanical Technology/Technician.		11	57				68
150903	Petroleum Technology/Technician.		13					13
151001	Construction Engineering Technology/Technician.		7	35				42
151102	Surveying Technology/Surveying.		16					16
151199	Engineering-Related Technologies, Other.		13					13
151302	CAD/CADD Drafting and/or Design Technology/Technician.	4						4
151303	Architectural Drafting and Architectural CAD/CADD.	9	20					29
151501	Engineering/Industrial Management.					7		7
159999	Engineering Technologies and Engineering-Related Fields, Other.		48	24				72
<b>FOODS &amp; NUTRITION</b>								
190501	Foods, Nutrition, and Wellness Studies, General.			122		15	3	140
190504	Human Nutrition.					20		20
<b>HEALTH PROFESSIONS</b>								
511005	Clinical Laboratory Science/Medical Technology/Technologist.			21				21
511401	Medical Scientist.					5		5
512003	Pharmaceutics and Drug Design.						6	6
512202	Environmental Health.			9				9
512706	Medical Informatics.					6		6
<b>MATHEMATICS &amp; STATISTICS</b>								
270101	Mathematics, General.		63	126		22	4	215
270199	Mathematics, Other.		6					6
270301	Applied Mathematics, General.					3		3
270304	Computational and Applied Mathematics.					10		10
270305	Financial Mathematics.					9		9
270501	Statistics, General.			3		5	3	11
279999	Mathematics and Statistics, Other.			2				2
<b>MILITARY TECHNOLOGIES</b>								
290399	Military Applied Sciences, Other.		9					9
<b>MULTI/INTERDISCIPLINARY STUDIES</b>								
301801	Natural Sciences.		11	1		4		16
301901	Nutrition Sciences.		11	32	28	8		79
303001	Computational Science.					10		10
<b>NATURAL RESOURCES</b>								
030101	Natural Resources/Conservation, General.			6				6
030103	Environmental Studies.	1		44		2		47
030104	Environmental Science.		3	19		21	4	47
030501	Forestry, General.		16					16
030599	Forestry, Other.		1					1
039999	Natural Resources and Conservation, Other.		1					1
<b>PHYSICAL SCIENCES</b>								
400101	Physical Sciences.		123					123
400202	Astrophysics.			6				6
400404	Meteorology.			36		21	9	66
400501	Chemistry, General.		15	134		11	19	179
400601	Geology/Earth Science, General.		1	68		36	3	108
400603	Geophysics and Seismology.			2		8	4	14
400801	Physics, General.		11	32		14	10	67
400807	Optics/Optical Sciences.						1	1
409999	Physical Sciences, Other.		22					22
419999	Science Technologies/Technicians, Other.		18					18
<b>PROTECTIVE SERVICES</b>								
430106	Forensic Science and Technology.			121	36	23		180
430116	Cyber/Computer Forensics and Counterterrorism.		36					36
<b>Total</b>		<b>125</b>	<b>1,445</b>	<b>4,219</b>	<b>74</b>	<b>948</b>	<b>221</b>	<b>7,032</b>

Source: OSRHE, UDS 1/12/18