

**Science, Technology, Engineering, Mathematics (STEM) Degrees
by Field of Study and Degree Level
2017-2018 Public Institutions**

CIP Code	Field of Study	Certificate	Associate's	Bachelor's	Graduate Certificate	Master's	Doctoral	TOTAL
ACTUARIAL SCIENCE								
521304	Actuarial Science.			9				9
AERONAUTICS/AEROSPACE SCIENCE & TECHNOLOGY								
490101	Aeronautics/Aviation/Aerospace Science and Technology, General.			107		18		125
AGRICULTURE								
010000	Agriculture, General.		155	31		9		195
010901	Animal Sciences, General.			212		17		229
010904	Animal Nutrition.						2	2
011001	Food Science.			14		6	1	21
011102	Agronomy and Crop Science.			6			5	11
011103	Horticultural Science.			15		7		22
011201	Soil Science and Agronomy, General.			19		11		30
011299	Soil Sciences, Other.						2	2
019999	Agriculture, Agriculture Operations, and Related Sciences, Other.		24					24
BIOLOGICAL & BIOMEDICAL SCIENCE								
260101	Biology/Biological Sciences, General.		99	389		3		491
260102	Biomedical Sciences, General.					3	2	5
260202	Biochemistry.			104		3	1	108
260210	Biochemistry and Molecular Biology.						2	2
260301	Botany/Plant Biology.			7		2	5	14
260305	Plant Pathology/Phytopathology.						2	2
260401	Cell/Cellular Biology and Histology.						2	2
260406	Cell/Cellular and Molecular Biology.			34				34
260502	Microbiology, General.			117	3	11	9	140
260503	Medical Microbiology and Bacteriology.						3	3
260701	Zoology/Animal Biology.			226		17	11	254
260702	Entomology.			12		6	4	22
260901	Physiology, General.			20		1		21
260908	Exercise Physiology.					19	8	27
260910	Pathology/Experimental Pathology.						2	2
261004	Toxicology.				7			7
261201	Biotechnology.	14	13					27
261301	Ecology.			39		14	4	57
261310	Ecology and Evolutionary Biology.						7	7
261399	Ecology, Evolution, Systematics and Population Biology, Other.				2			2
261501	Neuroscience.					1	3	4
269999	Biological and Biomedical Sciences, Other.		38			14		52
COMPUTER & INFORMATION SCIENCE								
110101	Computer and Information Sciences, General.		106	178	1	32	4	321
110103	Information Technology.	3	137	129		33		302
110199	Computer and Information Sciences, Other.		46					46
110201	Computer Programming/Programmer, General.	18	10					28
110401	Information Science/Studies.		4	24				28
110701	Computer Science.		5	128		31	3	167
110802	Data Modeling/Warehousing and Database Administration.		1					1
110803	Computer Graphics.		11	3				14
110901	Computer Systems Networking and Telecommunications.	33				17		50
111002	System, Networking, and LAN/WAN Management/Manager.		2					2
111003	Computer and Information Systems Security/Information Assurance.	23		37	4			64
ENGINEERING								
140101	Engineering, General.		47				1	48
140102	Pre-Engineering.		132					132
140201	Aerospace, Aeronautical and Astronautical/Space Engineering.			95		67		162
140301	Agricultural Engineering.			24		4	6	34
140401	Architectural Engineering.			27				27
140501	Bioengineering and Biomedical Engineering.			23		5	5	33
140701	Chemical Engineering.		3	163		9	5	180
140801	Civil Engineering, General.			93		38	8	139
140901	Computer Engineering, General.			50				50
140903	Computer Software Engineering.			2				2
141001	Electrical and Electronics Engineering			119		68	18	205
141004	Telecommunications Engineering.					3		3
141201	Engineering Physics/Applied Physics.			71		9	2	82
141401	Environmental/Environmental Health Engineering.			15		6		21
141801	Materials Engineering.					3	1	4
141901	Mechanical Engineering.			414		36	6	456
142501	Petroleum Engineering.			141		32	10	183
143501	Industrial Engineering.			107		84	10	201

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143901	Geological/Geophysical Engineering.						1	1
149999	Engineering, Other.					36		36
ENGINEERING TECHNOLOGY								
150000	Engineering Technology, General.		73	26				99
150201	Civil Engineering Technology/Technician.			8				8
150303	Electrical, Electronic and Communications Engineering Technology/Technician.	8	18	19				45
150401	Biomedical Technology/Technician.						3	3
150404	Instrumentation Technology/Technician.			28				28
150503	Energy Management and Systems Technology/Technician.		7					7
150507	Environmental Engineering Technology/Environmental Technology.		3					3
150612	Industrial Technology/Technician.		2	3				5
150613	Manufacturing Engineering Technology/Technician.			11				11
150699	Industrial Production Technologies/Technicians, Other.	3	1					4
150701	Occupational Safety and Health Technology/Technician.		5	104				109
150702	Quality Control Technology/Technician.	1						1
150703	Industrial Safety Technology/Technician.			159		20		179
150801	Aeronautical/Aerospace Engineering Technology/Technician.		7					7
150803	Automotive Engineering Technology/Technician.		12					12
150805	Mechanical Engineering/Mechanical Technology/Technician.		11	61				72
150903	Petroleum Technology/Technician.		10					10
151001	Construction Engineering Technology/Technician.		14	38				52
151102	Surveying Technology/Surveying.		14					14
151199	Engineering-Related Technologies, Other.		18					18
151302	CAD/CADD Drafting and/or Design Technology/Technician.	6						6
151303	Architectural Drafting and Architectural CAD/CADD.	9	17					26
151501	Engineering/Industrial Management.				8	2		10
159999	Engineering Technologies and Engineering-Related Fields, Other.		56	31				87
FOODS & NUTRITION								
190501	Foods, Nutrition, and Wellness Studies, General.			113				113
190504	Human Nutrition.					24		24
HEALTH PROFESSIONS								
511005	Clinical Laboratory Science/Medical Technology/Technologist.			9				9
511401	Medical Scientist.					7		7
512003	Pharmaceutics and Drug Design.						5	5
512202	Environmental Health.			3				3
512706	Medical Informatics.					7		7
MATHEMATICS & STATISTICS								
270101	Mathematics, General.		65	144		15	3	227
270301	Applied Mathematics, General.					9		9
270304	Computational and Applied Mathematics.					5		5
270305	Financial Mathematics.					7		7
270501	Statistics, General.			5		3	1	9
279999	Mathematics and Statistics, Other.			3				3
MILITARY TECHNOLOGIES								
290399	Military Applied Sciences, Other.		11					11
MULTI/INTERDISCIPLINARY STUDIES								
301801	Natural Sciences.		11	1		3		15
301901	Nutrition Sciences.		12	26	38	38	1	115
303001	Computational Science.					35		35
NATURAL RESOURCES								
030101	Natural Resources/Conservation, General.			8				8
030103	Environmental Studies.			40		2		42
030104	Environmental Science.		5	24		23	2	54
030201	Natural Resources Management and Policy.	13				4		17
030501	Forestry, General.		11					11
039999	Natural Resources and Conservation, Other.		1					1
PHYSICAL SCIENCES								
400101	Physical Sciences.		106					106
400202	Astrophysics.			6				6
400404	Meteorology.			40		12	10	62
400501	Chemistry, General.		12	138		12	22	184
400601	Geology/Earth Science, General.		2	64		38	5	109
400603	Geophysics and Seismology.			7		9	4	20
400801	Physics, General.		8	24		20	11	63
400807	Optics/Optical Sciences.						1	1
409999	Physical Sciences, Other.		3					3
419999	Science Technologies/Technicians, Other.		10					10
PROTECTIVE SERVICES								
430106	Forensic Science and Technology.			118	25	20		163
430116	Cyber/Computer Forensics and Counterterrorism.		35					35
Total		131	1,393	4,465	88	990	223	7,290

Source: OSRHE, UDS 3/5/19