

CPE STEM+H Designated Degree Program List

Kentucky's performance funding model includes bachelor's degrees earned in Science, Technology, Engineering, Math and Health (STEM+H) fields as a component of the student success metric. For this purpose, STEM+H refers to any program listed on the U.S. Department of Homeland Security STEM Designated Degree Program List as well as all programs in CIP 51. For reference, a list of STEM+H-designated programs are listed below.

CIP Code	CIP Code Title
1.0308	Agroecology and Sustainable Agriculture.
1.0901	Animal Sciences, General.
1.0902	Agricultural Animal Breeding.
1.0903	Animal Health.
1.0904	Animal Nutrition.
1.0905	Dairy Science.
1.0906	Livestock Management.
1.0907	Poultry Science.
1.0999	Animal Sciences, Other.
1.1001	Food Science.
1.1002	Food Technology and Processing.
1.1099	Food Science and Technology, Other.
1.1101	Plant Sciences, General.
1.1102	Agronomy and Crop Science.
1.1103	Horticultural Science.
1.1104	Agricultural and Horticultural Plant Breeding.
1.1105	Plant Protection and Integrated Pest Management.
1.1106	Range Science and Management.
1.1199	Plant Sciences, Other.
1.1201	Soil Science and Agronomy, General.
1.1202	Soil Chemistry and Physics.
1.1203	Soil Microbiology.
1.1299	Soil Sciences, Other.
1.8105	Veterinary Anatomy.
1.8106	Veterinary Infectious Diseases.
1.8107	Veterinary Microbiology and Immunobiology.
1.8108	Veterinary Pathology and Pathobiology.
1.8109	Veterinary Physiology.
1.8110	Veterinary Preventive Medicine, Epidemiology, and Public Health.
1.8111	Veterinary Toxicology and Pharmacology.
3.0101	Natural Resources/Conservation, General.
3.0103	Environmental Studies.

3.0104	Environmental Science.
3.0199	Natural Resources Conservation and Research, Other.
3.0204	Environmental/Natural Resource Economics.
3.0205	Water, Wetlands, and Marine Resources Management.
3.0210	Bioenergy.
3.0501	Forestry, General.
3.0502	Forest Sciences and Biology.
3.0508	Urban Forestry.
3.0509	Wood Science and Wood Products/Pulp and Paper Technology/Technician.
3.0510	Forest Resources Production and Management.
3.0601	Wildlife, Fish and Wildlands Science and Management.
4.0601	Landscape Architecture.
4.0902	Architectural and Building Sciences/Technology.
9.0702	Digital Communication and Media/Multimedia.
10.0304	Animation, Interactive Technology, Video Graphics, and Special Effects.
11.0101	Computer and Information Sciences, General.
11.0102	Artificial Intelligence.
11.0103	Information Technology.
11.0104	Informatics.
11.0105	Human-Centered Technology Design.
11.0199	Computer and Information Sciences, Other.
11.0201	Computer Programming/Programmer, General.
11.0202	Computer Programming, Specific Applications.
11.0203	Computer Programming, Vendor/Product Certification.
11.0299	Computer Programming, Other.
11.0301	Data Processing and Data Processing Technology/ Technician.
11.0401	Information Science/Studies.
11.0501	Computer Systems Analysis/Analyst.
11.0701	Computer Science.
11.0801	Web Page, Digital/Multimedia and Information Resources Design.
11.0802	Data Modeling/Warehousing and Database Administration.
11.0803	Computer Graphics.
11.0804	Modeling, Virtual Environments and Simulation.
11.0899	Computer Software and Media Applications, Other.
11.0901	Computer Systems Networking and Telecommunications.
11.0902	Cloud Computing.
11.1001	Network and System Administration/Administrator.
11.1002	System, Networking, and LAN/WAN Management/Manager.
11.1003	Computer and Information Systems Security/Auditing/Information Assurance.
11.1004	Web/Multimedia Management and Webmaster.
11.1005	Information Technology Project Management.

11.1006	Computer Support Specialist.
11.1099	Computer/Information Technology Services Administration and Management, Other.
13.0501	Educational/Instructional Technology.
13.0601	Educational Evaluation and Research.
13.0603	Educational Statistics and Research Methods.
13.0608	Institutional Research.
14.XXXX	Engineering
15.0000	Engineering Technologies/Technicians, General.
15.0101	Architectural Engineering Technologies/Technicians.
15.0201	Civil Engineering Technologies/Technicians.
15.0303	Electrical, Electronic, and Communications Engineering Technology/Technician.
15.0304	Laser and Optical Technology/Technician.
15.0305	Telecommunications Technology/Technician.
15.0306	Integrated Circuit Design Technology/Technician.
15.0399	Electrical/Electronic Engineering Technologies/Technicians, Other.
15.0401	Biomedical Technology/Technician.
15.0403	Electromechanical/Electromechanical Engineering Technology/Technician.
15.0404	Instrumentation Technology/Technician.
15.0405	Robotics Technology/Technician.
15.0406	Automation Engineer Technology/Technician.
15.0407	Mechatronics, Robotics, and Automation Engineering Technology/Technician.
15.0499	Electromechanical Technologies/Technicians, Other.
15.0501	Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology/Technician.
15.0506	Water Quality and Wastewater Treatment Management and Recycling Technology/Technician.
15.0507	Environmental/Environmental Engineering Technology/Technician.
15.0508	Hazardous Materials Management and Waste Technology/Technician.
15.0599	Environmental Control Technologies/Technicians, Other.
15.0607	Plastics and Polymer Engineering Technology/Technician.
15.0611	Metallurgical Technology/Technician.
15.0612	Industrial Technology/Technician.
15.0613	Manufacturing Engineering Technology/Technician.
15.0614	Welding Engineering Technology/Technician.
15.0615	Chemical Engineering Technology/Technician.
15.0616	Semiconductor Manufacturing Technology/Technician.
15.0617	Composite Materials Technology/Technician.
15.0699	Industrial Production Technologies/Technicians, Other.
15.0701	Occupational Safety and Health Technology/Technician.
15.0702	Quality Control Technology/Technician.
15.0703	Industrial Safety Technology/Technician.

15.0704	Hazardous Materials Information Systems Technology/Technician.
15.0799	Quality Control and Safety Technologies/Technicians, Other.
15.0801	Aeronautical/Aerospace Engineering Technology/Technician.
15.0803	Automotive Engineering Technology/Technician.
15.0805	Mechanical/Mechanical Engineering Technology/Technician.
15.0899	Mechanical Engineering Related Technologies/Technicians, Other.
15.0901	Mining Technology/Technician.
15.0903	Petroleum Technology/Technician.
15.0999	Mining and Petroleum Technologies/Technicians, Other.
15.1001	Construction Engineering Technology/Technician.
15.1102	Surveying Technology/Surveying.
15.1103	Hydraulics and Fluid Power Technology/Technician.
15.1199	Engineering-Related Technologies/Technicians, Other.
15.1201	Computer Engineering Technology/Technician.
15.1202	Computer/Computer Systems Technology/Technician.
15.1203	Computer Hardware Technology/Technician.
15.1204	Computer Software Technology/Technician.
15.1299	Computer Engineering Technologies/Technicians, Other.
15.1301	Drafting and Design Technology/Technician, General.
15.1302	CAD/CADD Drafting and/or Design Technology/Technician.
15.1303	Architectural Drafting and Architectural CAD/CADD.
15.1304	Civil Drafting and Civil Engineering CAD/CADD.
15.1305	Electrical/Electronics Drafting and Electrical/Electronics CAD/CADD.
15.1306	Mechanical Drafting and Mechanical Drafting CAD/CADD.
15.1399	Drafting/Design Engineering Technologies/Technicians, Other.
15.1401	Nuclear Engineering Technology/Technician.
15.1501	Engineering/Industrial Management.
15.1502	Engineering Design.
15.1503	Packaging Science.
15.1599	Engineering-Related Fields, Other.
15.1601	Nanotechnology.
15.1701	Energy Systems Technology/Technician.
15.1703	Solar Energy Technology/Technician.
15.9999	Engineering/Engineering-Related Technologies/Technicians, Other.
26.XXXX	Biological and Biomedical Sciences
27.XXXX	Mathematics and Statistics
28.0501	Air Science/Airpower Studies.
28.0502	Air and Space Operational Art and Science.
28.0505	Naval Science and Operational Studies.
29.0201	Intelligence, General.
29.0202	Strategic Intelligence.

29.0203	Signal/Geospatial Intelligence.
29.0204	Command & Control (C3, C4I) Systems and Operations.
29.0205	Information Operations/Joint Information Operations.
29.0206	Information/Psychological Warfare and Military Media Relations.
29.0207	Cyber/Electronic Operations and Warfare.
29.0299	Intelligence, Command Control and Information Operations, Other.
29.0301	Combat Systems Engineering.
29.0302	Directed Energy Systems.
29.0303	Engineering Acoustics.
29.0304	Low-Observables and Stealth Technology.
29.0305	Space Systems Operations.
29.0306	Operational Oceanography.
29.0307	Undersea Warfare.
29.0399	Military Applied Sciences, Other.
29.0401	Aerospace Ground Equipment Technology.
29.0402	Air and Space Operations Technology.
29.0403	Aircraft Armament Systems Technology.
29.0404	Explosive Ordnance/Bomb Disposal.
29.0405	Joint Command/Task Force (C3, C4I) Systems.
29.0406	Military Information Systems Technology.
29.0407	Missile and Space Systems Technology.
29.0408	Munitions Systems/Ordnance Technology.
29.0409	Radar Communications and Systems Technology.
29.0499	Military Systems and Maintenance Technology, Other.
29.9999	Military Technologies and Applied Sciences, Other.
30.0101	Biological and Physical Sciences.
30.0601	Systems Science and Theory.
30.0801	Mathematics and Computer Science.
30.1001	Biopsychology.
30.1701	Behavioral Sciences.
30.1801	Natural Sciences.
30.1901	Nutrition Sciences.
30.2501	Cognitive Science, General.
30.2701	Human Biology.
30.3001	Computational Science.
30.3101	Human Computer Interaction.
30.3201	Marine Sciences.
30.3301	Sustainability Studies.
30.3401	Anthrozoology
30.3501	Climate Science.
30.3801	Earth Systems Science.

30.3901	Economics and Computer Science.
30.4101	Environmental Geosciences.
30.4301	Geobiology.
30.4401	Geography and Environmental Studies.
30.4801	Linguistics and Computer Science.
30.4901	Mathematical Economics.
30.5001	Mathematics and Atmospheric/Oceanic Science.
30.7001	Data Science, General.
30.7101	Data Analytics, General.
30.7102	Business Analytics.
30.7103	Data Visualization.
30.7104	Financial Analytics
30.7199	Data Analytics, Other.
40.XXXX	Physical Sciences
41.0101	Biology/Biotechnology Technology/Technician.
41.0204	Industrial Radiologic Technology/Technician.
41.0205	Nuclear/Nuclear Power Technology/Technician.
41.0299	Nuclear and Industrial Radiologic Technologies/Technicians, Other.
41.0301	Chemical Technology/Technician.
41.0303	Chemical Process Technology.
41.0399	Physical Science Technologies/Technicians, Other.
41.9999	Science Technologies/Technicians, Other.
42.2701	Cognitive Psychology and Psycholinguistics.
42.2702	Comparative Psychology.
42.2703	Developmental and Child Psychology.
42.2704	Experimental Psychology.
42.2705	Personality Psychology.
42.2706	Behavioral Neuroscience.
42.2707	Social Psychology.
42.2708	Psychometrics and Quantitative Psychology.
42.2709	Psychopharmacology.
42.2710	Developmental and Adolescent Psychology.
42.2799	Research and Experimental Psychology, Other.
42.2804	Industrial and Organizational Psychology.
43.0403	Cyber/Computer Forensics and Counterterrorism.
43.0406	Forensic Science and Technology.
43.0407	Geospatial Intelligence.
45.0102	Social Sciences, Research Methodology and Quantitative Methods.
45.0301	Archeology.
45.0501	Demography and Population Studies.
45.0603	Econometrics and Quantitative Economics.

45.0702	Geographic Information Science and Cartography.
49.0101	Aeronautics/Aviation/Aerospace Science and Technology, General.
51.XXXX	Health Professions and Related Programs.
52.1301	Management Science.
52.1302	Business Statistics.
52.1304	Actuarial Science.
52.1399	Management Sciences and Quantitative Methods, Other.