Attachment D: Field Taxonomy

Understanding PhD Career Pathways for Program Improvement

Updated
April 2, 2018

This update replaces the Field Taxonomy released on Jan 11, 2017

Proposal due

May 1, 2018, 11:59 p.m. Pacific time

Single pdf to https://cgs.co1.qualtrics.com/jfe/form/SV_da6p8pwSh7aYC7X

Questions about proposal submission can be directed to:
Ryan Bradshaw - rbradshaw@cgs.nche.edu

Note: The guide is one of several documents accompanying a 2018 Request for Proposals to minority-serving CGS member institutions to participate in Understanding PhD Career Pathways for Program Improvement, a multi-institution project to field two CGS-developed surveys.

The RFP package includes:

Request for Proposals
Attachment A: Implementation Guide for PhD Career Pathways Surveys
Attachment B: CGS Career Pathways Alumni Survey
Attachment C: CGS Career Pathways Student Survey
Attachment D: Field Taxonomy (this document)
Attachment E: Strategies for Sustainability from Current Project Participants

Field Taxonomy Updated April 2018 D1
**STEM: Taxonomy of Fields of Study**

*Note: The institution must commit to collecting data on PhD student and alumni data in at least one of the STEM doctoral programs, however, the institution is encouraged to also administer the PhD Career Pathways Alumni and Student survey to students and alumni from any doctoral program the institution offers.*

**Chemical Engineering**
- Chemical and Biomolecular Engineering
- Chemical Engineering

**Civil Engineering**
- Architectural Engineering
- Civil Engineering
- Construction Engineering
- Environmental/Environmental Health Engineering
- Geotechnical and Geoenvironmental Engineering
- Structural Engineering
- Surveying Engineering
- Transportation and Highway Engineering
- Water Resources Engineering

**Computer, Electrical, and Electronics Engineering**
- Computer Engineering
- Computer Hardware Engineering
- Computer Software Engineering
- Electrical Engineering
- Electronics Engineering
- Laser and Optical Engineering
- Telecommunications Engineering

**Industrial Engineering**
- Industrial Engineering
- Manufacturing Engineering
- Operations Research

**Materials Engineering**
- Ceramic Sciences and Engineering
- Materials Engineering
- Materials Science
- Metallurgical Engineering
- Polymer/Plastics Engineering

**Mechanical Engineering**
- Engineering Mechanics
- Mechanical Engineering

**Engineering, Other**
- Aeronautical Engineering
- Aerospace Engineering
- Agricultural Engineering
- Biochemical Engineering
- Biomedical/Medical Engineering
- Electromechanical Engineering
- Engineering Chemistry
- Engineering Physics
- Engineering Science
- Forest Engineering
- Geological/Geophysical Engineering
- Mining and Mineral Engineering
- Naval Architecture and Marine Engineering
- Nuclear Engineering
- Ocean Engineering
- Paper Science and Engineering
- Petroleum Engineering
- Systems Engineering
- Textile Sciences and Engineering
- Engineering, Other

**Chemistry**
- Analytical Chemistry
- Chemical Plastics
- Chemistry, General
- Environmental Chemistry
- Forensic Chemistry
- Inorganic Chemistry
- Medicinal and Pharmaceutical Chemistry
- Organic Chemistry
- Physical Chemistry
- Polymer Chemistry
- Theoretical Chemistry
- Chemistry, Other
Earth, Atmospheric, and Marine Sciences
Aquatic Biology/Limnology
Atmospheric Sciences
Biological Oceanography
Earth Sciences
Geochemistry
Geological Sciences
Geophysics and Seismology
Geosciences
Hydrology
Marine Biology
Marine Sciences
Meteorology
Oceanography
Paleontology
Earth, Atmospheric, and Marine Sciences, Other

Physics and Astronomy
Acoustics
Astronomy
Astrophysics
Atomic/Molecular Physics
Condensed Matter and Materials Physics
Elementary Particle Physics
Nuclear Physics
Optics/Optical Sciences
Physics
Planetary Astronomy and Science
Plasma and High-Temperature Physics
Solid State Physics
Theoretical and Mathematical Physics
Physics and Astronomy, Other

Computer and Information Sciences
Computer and Information Sciences, General
Computer Programming
Computer Science
Computer Software and Media
Applications
Computer Systems Analysis
Computer Systems Networking and Telecommunications
Computer/Information Technology Administration and Management
Data Processing
Information Sciences/Studies
Microcomputer Applications

Computer and Information Sciences, Other

Mathematical Sciences
Actuarial Science
Applied Mathematics
Mathematics
Probability
Statistics
Mathematical Sciences, Other

Agriculture, Natural resources, and conservation
Agricultural and Domestic Animal Services
Agricultural and Food Products Processing
Agricultural Business and Management
Agricultural Economics
Agricultural Mechanization
Agricultural Production
Agricultural Public Services
Agriculture, General
Agronomy
Animal Sciences
Applied Horticulture
Fishing and Fisheries Sciences and Management
Food Science and Technology
Forestry
Horticultural Business Services
International Agriculture
Natural Resources and Conservation
Natural Resources Management and Policy
Parks, Recreation, and Leisure Facilities Management
Parks, Recreation, and Leisure Studies
Plant Sciences
Soil Sciences
Wildlife and Wildlands Science and Management
Agriculture, Natural Resources, and Conservation, Other

Anthropology and Archaeology
Anthropology
Archaeology
Biological and biomedical Sciences
Anatomical Sciences
Animal Biology
Bacteriology
Biochemistry
Bioinformatics
Biology, General
Biomathematics
Biometry
Biophysics
Biotechnology
Botany/Plant Biology
Cell/Cellular Biology
Computational Biology
Developmental Biology
Ecology
Entomology
Epidemiology
Evolution
Genetics
Immunology
Microbiological Sciences
Molecular Biology
Molecular Medicine
Neurosciences
Parasitology
Pathology
Pharmacology
Physiology
Population Biology
Systematics
Toxicology
Zoology
Biological and Biomedical Sciences, Other

Economics
Applied Economics
Econometrics
Economics
International Economics

Political Science
International Relations
Political Science and Government
Public Policy Analysis

Psychology
Applied Psychology
Clinical Psychology
Cognitive Psychology
Community Psychology
Comparative Psychology
Counseling Psychology
Developmental and Child Psychology
Experimental Psychology
Forensic Psychology
Industrial and Organizational Psychology
Personality Psychology
Physiological Psychology
Psycholinguistics
Psychology, General
Psychometrics
Psychopharmacology
Quantitative Psychology
Research and Experimental Psychology
Social Psychology
Psychology, Other

Social Sciences, Other
Adult Development and Aging
Area, Ethnic, Cultural, Gender, and Group Studies
Criminal Justice/Criminology
Geography and Cartography
Gerontology
Social Sciences, General
Urban Studies/Affairs
Social Sciences, Other

Sociology
Demography
Rural Sociology
Sociology