

Project Types:

Basic Research is performed without thought of practical ends. It results in general knowledge and understanding of nature and its laws. It is undertaken primarily to acquire new knowledge without any particular application or use in mind.

- *A researcher is studying the properties of human blood to determine what affects coagulation.*
- *A researcher is studying the properties of molecules under various heat and cold conditions.*
- *A researcher is studying the heart chambers of various fish species.*

Applied research is a form of systematic inquiry involving the practical application of science. It accesses and uses some part of the research community's accumulated theories, knowledge, methods, and techniques, for a specific, often state-, business-, or client-driven purpose. It is conducted to gain the knowledge or understanding to meet a specific, recognized need.

- *A researcher is conducting research on how a new chicken pox vaccine affects blood coagulation.*
- *A researcher is investigating the properties of particular substances under various heat and cold conditions with the objective of finding longer-lasting components for highway pavement.*
- *A researcher is examining various levels of toxic substance to determine the maximum safe level for fish in a stream.*

Development is the systematic use of the knowledge or understanding gained from research directed toward the production of useful materials, devices, systems, or methods, including the design and development of prototypes and processes.

- *A researcher is conducting clinical trials to test a newly developed chicken pox vaccine for young children.*
- *A researcher is working with state transportation officials to conduct tests of a newly developed highway pavement under various types of heat and cold conditions.*
- *A researcher has a contract with the US government to design a new stream monitoring system that will incorporate the latest research findings on toxicity levels for fish.*

Research Training supports research training for pre-, post- doc fellowships, thesis, dissertation, or undergraduate scholarly activities. It is teaching someone how to conduct research.

A **Clinical study/trial** is any research **study** that prospectively assigns human participants or groups of humans to one or more health-related interventions to evaluate the effects on health outcomes.

A **Capital equipment project** has an acquisition cost of at least \$5,000, and a life expectancy of at least one year. A **Capital construction project** supports a new buildings or completion of shell space in existing buildings (including the installation of fixed equipment, but excluding the cost of land acquisition and off-site improvements).

Instructional projects are activities benefitting the students of the institution.

Service projects deliver information and services to the non-institution, non-scientific community.