SAMPLE PROGRAMS OF STUDY

The following programs of study for different research strengths in the Division of Biological Studies are intended as a guide for prospective graduate students. These programs of study are samples and should not be viewed as formal requirements in any of these areas. Students’ programs of study are designed in consultation with their faculty mentor.

Program of Study: Neurobiology

BIO_SC 8050: Professional Survival Skills
BIO_SC 8060: Ethical Conduct of Research
BIO_SC 7580: Computational Neuroscience
BIO_SC 7986: Neurology of Motor Systems
BIO_SC 7976: Molecular Biology
BIO_SC 8002: Regeneration
BIO_SC 8002: Molecular Mechanisms of Neurological Diseases
BIO_SC 8330: Stem Cell Biology
BIO_SC 8442: Integrative Neuroscience II
BIO_SC 8440: Integrative Neuroscience I

Program of Study: Ecology

BIO_SC 8050: Professional Survival Skills
BIO_SC 8060: Ethical Conduct of Research
Stat 7510 Applied Statistical Modeling I
Stat 8220 Applied Statistical Modeling II
BIO_SC 8600: Experimental Design
BIO_SC 8700: Ecological Genetics
BIO_SC 8610: Current Concepts in Conservation Biology
GEOG 7810: Landscape Ecology and GIS Analysis I
F&W 7500: Animal Population Dynamics and Management
FOREST 7320: Forest Ecology

Program of Study: Molecular and/or Cellular Biology

BIO_SC 8050: Professional Survival Skills
BIO_SC 8060: Ethical Conduct of Research
BIO_SC 7978: Cancer Biology
BIO_SC 8087: Seminar in Biological Sciences
BIO_SC 8310: Fungal Genetics & Biology
INFOINST 7005: Bioinformatics
MICROB 9432: Molecular Biology II
Program of Study: Plant Biology

BIO_SC 8050: Professional Survival Skills
BIO_SC 8060: Ethical Conduct of Research
BIO_SC 8300: Advanced Plant Genetics
BIO_SC 7320: Plant Physiology
PLNT_S 8362: Introduction to Plant Metabolism
BIO_SC 8505: Introduction to Plant Stress Biology
BIOCHM 8365: Introduction to Molecular Cell Biology