



Purpose:

To support the curricular and research needs of faculty and students in the Biology Department. The department offers courses of study leading to the following degrees: Bachelor of Science, Master of Science, and Doctor of Philosophy. The Doctor of Philosophy degree is offered with four areas of concentration. Areas of specialization available through the Department of Biology include applied and environmental microbiology, cell molecular biology and physiology, molecular genetics and biochemistry, neurobiology and behavior, and pre-professional (pre-med). The Biology Department also supports the following research centers: Center for Behavioral Neuroscience, Center for Biomacromolecules and Drug Design, Center for Brain Sciences and Health, Environmental Research Center, Language Research Center, Center for Neural Communication and Computation, and the Viral Immunology Center. The Biology Department also maintains strong interdisciplinary ties to other departments, particularly with the departments of Chemistry, Psychology, Computer Science and Mathematics & Statistics. The Department of Biology is also heavily involved in the Brains & Behavior and Molecular Basis of Disease Areas of Focus programs.

General Collection Guidelines:

- a. Languages: English is the primary language of collection emphasis.
- b. Treatment of Subject: Biography and general interest material will be selectively purchased. While the emphasis is on upper-level and graduate level materials, consideration is also given to maintaining a strong undergraduate collection. Although the collection covers all aspects of the biological sciences, current collecting emphasizes neuroscience, microbiology and immunology, biochemistry, bioinformatics, evolutionary and developmental biology, cellular and molecular biology, physiology and genetics. Items on individual species, viruses, and organisms applicable to the research of the department will also be collected, i.e. crustaceans, *Escheria Coli*, West Nile Virus.
- c. Types of Materials: Selection will include monographs and periodicals, encyclopedias, dictionaries, proceedings/transactions of conferences/congresses/symposia, and data collections. Materials in other formats, including DVD's will be selected as needed. Graduate-level textbooks may be acquired if they meet the subject needs of the collection.
- d. Date of Publication: Primarily current imprints will be selected. Some retrospective acquisition of classic or standard works not already in the collection.

Collecting Subjects & Levels

QH 1-705

1-200	General Natural History, including conservation and geographic distribution	1B
201-278	Microscopy	4
301-320	General Biology, including writing guides, history, teaching	3B
323-324	Biomathematics; Methods of Research; Technique	4
331-332	Bioethics	3C
345	General Biochemistry	4
359-425	Evolution	4
426-470	Genetics	4
471-489	Reproduction	3C
501-531	Life	4
540-549	General and Animal Ecology	3C
573-671	Cytology	4
650-671	Biophysics; effects of chemical/physical agents on cells	4

QK 1-989

1-100	General Botany; History; Classification	2B
101-174	Geographic Distribution	2A
474-495	Seed Plants	2A
504-638	Seedless Plants	2A
600-638	Fungi	3C
640-707	Plant Anatomy	2A
710-899	Plant Physiology	2A
900-989	Plant Ecology; Evolution	2A

QL 1-991

1-58	General Zoology; History	3C
61-79	Collection; Zoos; Aquariums	3B
81-100	Animals and Civilization; Endangered Species	3C
101-345	Geographic Distribution	2A
351-355	Classification; Nomenclature	3C
360-599	Invertebrates	3C
	Selected organisms	4
605-739	Chordates; Vertebrates	3C
	Selected organisms	4
750-785	Animal Behavior	4
799	Morphology	3C
800-950	Anatomy	3C/4
951-991	Embryology	3C/4

QM 1-695		
1-81	General Human Anatomy; History	3C
100-511	Particular Organ Systems	3C
451-471	Nervous System	4
501-511	Sense Organs	4
531-549	Regional Anatomy	3C
550-577	Human and Comparative Histology	3C
601-695	Human Embryology	3C
QP 1-981		
1-50	General Physiology; History	3C
50-345	Human Physiology	4
88-90	Physiology of the Tissues	4
248-250	Urinary Organs	3C
351-495	Neurophysiology; Neuropsychology	4
361-430	Nervous System	4
431-495	Senses; Sensation; Sense Organs	4
501-801	Animal Biochemistry; Inorganic and Organic Substances	3C
901-981	Experimental Pharmacology	2A
QR 1-502		
1-74	General Microbiology; Technique	4
74-99	Bacteria	4
100-179	Microorganisms, General Aspects; Microbial Ecology	4
180-200	Immunology	4
201-255	Pathogenic Microorganisms	3C
301-351	Microorganisms of Plants and Animals	3C
355-502	Virology	4
RC 321-422	Neurosciences	4
TP 248	Biotechnology	4

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