CBN OPTION ELECTIVES

A minimum of 12 of these credits must be from the following list:

BIOB 476R	Gene Construction	3	F
BIOB 494	CBN Seminar/Workshop	1	F/S
BIOH 323	Developmental Biology	4	S
BIOH 340	Principles of Histology	3	F
BIOL 395	Human Pathophysiology	3	S
BIOH 411	Advanced Human Anatomy	4	S
BIOH 422	Genes and Cancer	3	F
BIOH 425	Sensory Neurophysiology	3	S
BIOH 435	Cognitive Neuroscience	3	S
BIOH 440	Neuroscience of Mental Illness	3	F
BIOH 455	Molecular Medicine	3	S
BIOL 409	Advanced Human Torso Anatomy	4	Su
BIOL 470	Independent Study	1-3	F/S/Su
BIOL 490R	Undergraduate Research	1-6	F/S/Su
BIOO 310	Comparative Vertebrate Anatomy	4	S
BIOO 412	Animal Physiology	3	F

A maximum of 6 credits may be from the following list:

ANTH 306	Forensic Anthropology
BCH 441	Biochemistry of Macromolecules
BCH 442	Metabolic Regulation
BCH 444	Biochemical & Molecular Biology Methods
BIOB 410	Immunology
BIOB 412	Hybridomas
BIOB 413	Flow Cytometry
BIOB 414	Advanced Microscopy
BIOB 415	Advanced Immunology
BIOB 424	Ethical Practice of Science
BIOB 428	Molecular Evolution
BIOB 430	Plant Biotechnology
BIOB 475	Genome Science
BIOB 478	Functional Gene Expression
BIOB 480	Conservation Genetics
BIOE 370	General Ecology
BIOE 440	Conservation Biology
BIOH 405	Hematology
BIOM 360	General Microbiology

BIOM 400	Medical Microbiology
BIOM 410	Microbial Genetics
BIOM 415	Microbial Diversity, Ecology & Evolution
BIOM 427	General Parasitology
BIOM 430	Applied and Environmental Microbiology
BIOM 431	Medical Bacteriology
BIOM 435	Virology
BIOM 441	Eukaryotic Pathogens
BIOM 450	Microbial Physiology
BIOO 433	Plant Physiology
BIOO 458	Plant Cell Physiology
BIOO 460	Plant Metabolism
CHMY 361	Elements of Physical Chemistry
CHMY 362	Physical Chemistry Lab
CLS/US 460	Teaching Internship
CSCI 451	Computational Biology
CSCI 477	Simulation
HDFN 221	Human Nutrition
HDFN 321	Life Cycle Nutrition
HDFN 411	Nutrition for Sports and Exercise
HDHL 440	Principles of Epidemiology
HDPE 320	Anatomical Kinesiology
HDPE 322	Exercise Physiology
HDPE 323	Biomechanics
M 348	Techniques of Applies Mathematics I
M 349	Techniques of Applies Mathematics II
PHL 321	Philosophy and Biomedical Ethics
PHL 345	Philosophy of Science
PHSX 446	Thermodynamics and Statistical Mechanics
PSYX 325	Applied Critical Thinking
PSYX 335	Psychology of Women
PSYX 340	Abnormal Psychology
PSYX 350	Physiological Psychology
PSYX 354	Sensation & Perception
PSYX 370	Learning and Motivation
PSYX 380	Memory and Cognition
PSYX 384	Consciousness
PSYX 482	Psycholinguistics
SOCI 380	Sociology of Health & Medicine
STAT 332	Statistics for Scientists & Engineers
STAT 401	Statistics for Researchers
STAT 410	Applied Multiple Regression
STAT 412	Analysis of Variance & Design of Experiments
STAT 420	Probability

4) 490s from the following departments will be accepted: Cell Biology & Neuroscience, Biochemistry, Chemistry, Animal and Range Science, Plant Science, Psychology, Microbiology, Undergraduate Scholars Program and Veterinary Molecular Biology.

5) If a student would like an elective NOT listed to be approved as one of their electives toward fulfillment of requirements for the CBN major, they should write up a brief (i.e. one paragraph) explanation of why the course is applicable to the major. This will be submitted to Lisa in the CBN department office and will be reviewed by a faculty committee for approval. This is to ensure uniformity in enforcement of electives.