Iowa State University Courses accepted as Upper-Level Biomedical Science (6-13-24)

**Animal Science (ANS)**
ANS 3130 – Exercise Physiology of Animals
ANS 3190 – Animal Nutrition
ANS 3310 – Domestic Animal Reproduction
ANS 3450 – Growth and Development of Domestic Animals
ANS 3730B – Applied Avian Physiology
ANS 4190 – Advanced Animal Nutrition

**Biochemistry, Biophysics, and Molecular Biology (BBMB)**
BBMB 3160 – Principles of Biochemistry
BBMB 4040 – Biochemistry I
BBMB 4050 – Biochemistry II
BBMB 4200 – Mammalian Biochemistry

**Biology (BIOL)**
BIOL 3140 – Principles of Molecular Cell Biology
BIOL 3350 – Principles of Human and Other Animal Physiology
BIOL 3500 – Comprehensive Human Anatomy
BIOL 3520 – Vertebrate Histology
BIOL 3530 – Introductory Parasitology
BIOL 4020 – Introduction to Pathology
BIOL 4230 – Developmental Biology
BIOL 4280 – Cell Biology
BIOL 4340 – Endocrinology
BIOL 4360 – Neurobiology

**Biomedical Sciences (BMS)**
BMS 3290 – Anatomy and Physiology of Domestic Animals
BMS 4380 – Principles of Physiology
BMS 4390 – Principles of Pharmacology
BMS 4470 – Introduction to Human Gross Anatomy
BMS 4480 – Principles of Human Gross Anatomy

**Genetics (GEN)**
GEN 4090 – Molecular Genetics
Kinesiology (KIN)
KIN 3580 – Exercise Physiology
KIN 4720 – Neural Basis of Human Movement
KIN 4800 – Functional Anatomy

Iowa State University Courses accepted as Upper-Level Biomedical Science

Microbiology (MICRO)
MICRO 3020 – Biology of Microorganisms
MICRO 3100 – Medical Microbiology
MICRO 3200 – Molecular and Cellular Bacteriology
MICRO 3530 – Introductory Parasitology
MICRO 4020 – Microbial Genetics and Genomics
MICRO 4080 - Virology
MICRO 4280 – Principles of Epidemiology and Population Health
MICRO 4750 – Immunology

Toxicology (TOX)
TOX 4010 – Principles of Toxicology
TOX 4260 – Veterinary Toxicology

Veterinary Pathology (VPTH)
VPTH 3530 – Introductory Parasitology
VPTH 4020 – Introduction to Pathology