IBA Category Key:

IBA 610	Mathematical Modeling
IBA 620	Data Analysis
IBA 630	Computer Science
IBA 640	Biological Sciences

Institution Key:

ISU - Illinois State University
TSU - Truman State University
UWL - University of Wisconsin-La Crosse

Category	College	Course	Code	Title
IBA 610	ISU	MAT	330	Number Theory
IBA 610	ISU	MAT	336	Advanced Abstract Algebra
IBA 610	ISU	MAT	337	Advanced Linear Algebra
IBA 610	ISU	MAT	340	Differential Equations I
IBA 610	ISU	MAT	341	Differential Equations II
IBA 610	ISU	MAT	350	Applied Probability Models
IBA 610	ISU	MAT	351	Statistics and Data Analysis
IBA 610	ISU	MAT	353	Regression and Time Series Analysis
IBA 610	ISU	MAT	354	Nonparametric Statistics
IBA 610	ISU	MAT	356	Statistical Computing
IBA 610	ISU	MAT	362	Linear Optimization
IBA 610	ISU	MAT	363	Graph Theory
IBA 610	ISU	MAT	442	Quantitative Biomathematics
IBA 610	TSU	MATH	564	Advanced Linear Algebra
IBA 610	TSU	MATH	515	Complex Variables
IBA 610	TSU	MATH	521	Partial Differential Equations
IBA 610	TSU	MATH	511	Numerical Analysis
IBA 610	TSU	MATH	502	Advanced Matrix Analysis
IBA 610	TSU	MATH	671	Real Variables I
IBA 610	TSU	MATH	672	Real Variables II
IBA 610	TSU	MATH	676	Complex Variables II
IBA 610	TSU	MATH	666	Abstract Algebra I
IBA 610	TSU	MATH	667	Abstract Algebra II
IBA 610	TSU	MATH	640	Topology I
IBA 610	TSU	MATH	641	Topology II
IBA 610	TSU	MATH	621	Theory of Ordinary Differential Equations
IBA 610	TSU	MATH	632	Principles of Applied Math I
IBA 610	TSU	MATH	633	Principles of Applied Math II
IBA 610	TSU	MATH	635	Advanced Numerical Analysis
IBA 620	ISU	MAT	443	Statistical Learning and Data Mining
IBA 620	ISU	MAT	447	Real Analysis I
IBA 620	ISU	MAT	450	Finite Sampling
IBA 620	ISU	MAT	453	Regression Analysis
IBA 620	ISU	MAT	455	Applied Stochastic Processes
IBA 620	ISU	MAT	456	Multivariate Statistics
IBA 620	ISU	MAT	458	The Design of Experiments
IBA 620	TSU	STAT	570	Mathematical Probability and Statistics I
IBA 620	TSU	STAT	571	Mathematical Probability and Statistics II
IBA 620	UWL	STAT	541	Mathematical Statistics I
IBA 620	UWL	STAT	542	Mathematical Statistics II

IBA 620	UWL	STAT	543	Categorical Data Analysis
IBA 620	UWL	STAT	545	Correlation and Regression Analysis
IBA 620	UWL	STAT	546	Analysis of Variance and Design of Experiments
IBA 620	UWL	STAT	547	Nonparametric Statistics
IBA 620	UWL	STAT	549	Applied Multivariate Statistics
IBA 630	UWL	CS	502	Web Application Development
IBA 630	UWL	CS	510	Free and Open Source Software Development
IBA 630	UWL	CS	518	Mobile Application Development
IBA 630	UWL	CS	521	Programming Language Concepts
IBA 630	UWL	CS	531	Introduction to Robotics
IBA 630	UWL	CS	541	Operating Systems Concepts
IBA 630	UWL	CS	542	Structure of Compilers
IBA 630	UWL	CS	546	Object-Oriented Software Development
IBA 630	UWL	CS	549	Advances in Software Engineering
IBA 630	UWL	CS	551	User Interface Design
IBA 630	UWL	CS	552	Artificial Intelligence and Pattern Recognition
IBA 630	UWL	CS	553	Introduction to Theory of Computation
IBA 630	UWL	CS	554	Digital Image Processing
IBA 630	UWL	CS	555	Fundamentals of Information Security
IBA 630	UWL	CS	556	Secure Software Development
IBA 630	UWL	CS	564	Advanced Database Management Systems
IBA 630	UWL	CS	570	Parallel and Distributed Computing
IBA 630	UWL	CS	571	Data Communications
IBA 630	UWL	CS	572	Internet of Things
IBA 630	UWL	CS	575	Computer Graphics and Modeling
IBA 630	UWL	CS	576	Data Visualization
IBA 630	UWL	CS	741	Software Engineering Principles
IBA 630	UWL	CS	742	Formal Methods in Software Development
IBA 630	UWL	CS	743	Software Verification and Validation
IBA 630	UWL	CS	744	Management Issues in Software Engineering
IBA 640	ISU	BIO	301	Entomology
IBA 640	ISU	BIO	306	Regional and Area Studies
IBA 640	ISU	BIO	311	Rain Forest Ecology
IBA 640	ISU	BIO	325	Ecological Physiology of Animals
IBA 640	ISU	BIO	327	Hormones, Brain and Behavior
IBA 640	ISU	BIO	329	Human Genetics
IBA 640	ISU	BIO	330	Biology of Algae
IBA 640	ISU	BIO	333	Plant Diversity
IBA 640	ISU	BIO	335	Plant Taxonomy
IBA 640	ISU	BIO	336	Laboratory in Plant Identification
IBA 640	ISU	BIO	343	Introduction to Neurobiology
IBA 640	ISU	BIO	345	Introduction to Endocrinology
IBA 640	ISU	BIO	346	Developmental Biology
IBA 640	ISU	BIO	350	Molecular Biology
IBA 640	ISU	BIO	351	Cell Signaling and Regulation
IBA 640	ISU	BIO	353	Biotechnology Laboratory I: DNA Techniques
IBA 640	ISU	BIO	354	Biotechnology Laboratory II: Cell Biology Techniques

IBA 640	ISU	BIO	355	Genomics and Bioinformatics
IBA 640	ISU	BIO	361	Microbial Pathogens
IBA 640	ISU	BIO	365	Bioenergy Plant/Microbe Biology and the Environment
IBA 640	ISU	BIO	367	Immunology
IBA 640	ISU	BIO	370	Topics in Molecular and Cellular Biology
IBA 640	ISU	BIO	370	Genetics of Behavior
IBA 640	ISU	BIO	370	Molecular and Cellular Basis of Human Pathophysiology
IBA 640	ISU	BIO	375	Stream Ecology Lecture
IBA 640	ISU	BIO	376	Stream Ecology Laboratory
IBA 640	ISU	BIO	396	Avian Biology
IBA 640	ISU	BIO	404	Population Ecology
IBA 640	ISU	BIO	405	Community Ecology
IBA 640	ISU	BIO	406	Conservation Biology
IBA 640	ISU	BIO	411	Confocal Microscopy in Biology
IBA 640	ISU	BIO	415	Advanced Cell Biology I
IBA 640	ISU	BIO	418	Biological Microscopy
IBA 640	ISU	BIO	419	Advanced Molecular Biology
IBA 640	ISU	BIO	430	Neuroscience
IBA 640	ISU	BIO	435	Mammalian Physiology
IBA 640	ISU	BIO	450	Advanced Studies in Specialized Fields
IBA 640	ISU	BIO	450	Advanced Studies in Biostatistics
IBA 640	ISU	BIO	450	Issues in Biotechnology
IBA 640	ISU	BIO	450	Principles of Neurophysiology
IBA 640	ISU	BIO	450	Evolution and Ecology of Infectious Disease
IBA 640	ISU	BIO	450	Neuroethology-Neural Basis and Behavior
IBA 640	ISU	BIO	450	Neuroscience of Dopamine
IBA 640	ISU	BIO	450	Neurons, Synapses and Circuits
IBA 640	ISU	BIO	450	Cognitive Neuroscience
IBA 640	ISU	BIO	466	Microbial Physiology
IBA 640	ISU	BIO	467	Microbial Genetics
IBA 640	ISU	BIO	470	Evolution
IBA 640	ISU	BIO	486	Ethology
IBA 640	ISU	BIO	488	Systematic Biology
IBA 640	ISU	BIO	490	Biostatistics
IBA 640	TSU	BIOL	502	Biometry
IBA 640	TSU	BIOL	503	Evolutionary Biology
IBA 640	TSU	BIOL	504	Herpetology
IBA 640	TSU	BIOL	506	Ornithology
IBA 640	TSU	BIOL	508	Advanced Plant Taxonomy
IBA 640	TSU	BIOL	509	Comparative Plant Morphology
IBA 640	TSU	BIOL	510	Ecology
IBA 640	TSU	BIOL	511	Comparative Animal Physiology
IBA 640	TSU	BIOL	512	Cellular Physiology
IBA 640	TSU	BIOL	513	Microbial Genetics
IBA 640	TSU	BIOL	515	Animal Behavior
IBA 640	TSU	BIOL	516	Ichthyology
IBA 640	TSU	BIOL	517	Mammalogy

IBA 641	TSU	BIOL	520	Immunology
IBA 642	TSU	BIOL	540	Cancer Biology
IBA 643	TSU	BIOL	550	Endocrinology
IBA 644	TSU	BIOL	551	Genetics of Human Disorders
IBA 645	TSU	BIOL	552	Molecular Genetics
IBA 640	TSU	BIOL	610	Advanced Plant Physiology
IBA 640	TSU	BIOL	611	Advanced Plant Anatomy
IBA 640	UWL	BIO	513	Medical Mycology
IBA 640	UWL	BIO	514	Freshwater Invertebrate Zoology
IBA 640	UWL	BIO	519	Quantitative Methods in Ecology
IBA 640	UWL	BIO	521	Comparative Vertebrate Endocrinology
IBA 640	UWL	BIO	522	Ichthyology
IBA 640	UWL	BIO	524	Human Endocrinology
IBA 640	UWL	BIO	528	Advanced Nutrition for the Health Professions
IBA 640	UWL	BIO	529	Evolution
IBA 640	UWL	BIO	532	Biology of Cancer
IBA 640	UWL	BIO	535	Molecular Biology
IBA 640	UWL	BIO	537	Plant Growth and Development
IBA 640	UWL	BIO	539	Plant Anatomy
IBA 640	UWL	BIO	540	Bioinformatics
IBA 640	UWL	BIO	541	Environmental Toxicology
IBA 640	UWL	BIO	543	Molecular Mechanism of Disease and Drug Action
IBA 640	UWL	BIO	544	Entomology
IBA 640	UWL	BIO	547	Standard Methods\Quality Assurance Water Analyses
IBA 640	UWL	BIO	549	Advanced Microscopy and Biological Imaging
IBA 640	UWL	BIO	556	Plant Ecology
IBA 640	UWL	BIO	558	Comparative Animal Physiology
IBA 640	UWL	BIO	564	Stream and Watershed Ecology
IBA 640	UWL	BIO	565	Neurophysiology
IBA 640	UWL	BIO	566	Human Molecular Genetics
IBA 640	UWL	BIO	567	Neurobiology Laboratory Techniques
IBA 640	UWL	BIO	573	Marine Biology
IBA 640	UWL	BIO	576	Ecosystem Ecology