

# **BIOLOGY**

Overview

**Academics & Admissions** 

**Programs** 

**Minors** 

Courses

**Faculty** 

### Courses

- Bisc 100: Research Internship
- Bisc 102: Inquiry Into Life: Human Biology
- Bisc 103: Inquiry into Life Laboratory I
- Bisc 104: Inquiry into Life: The Environment
- Bisc 105: Inquiry into Life Laboratory II
- Bisc 110: Human Biology: An Integrated Exploration
- Bisc 111: The Environment: Integrated Exploration
- Bisc 150: Principles of Biological Science
- Bisc 160: Biological Sciences I
- Bisc 161: Biological Sciences I Laboratory
- Bisc 162: Biological Sciences II
- Bisc 163: Biological Sciences II Laboratory
- Bisc 164: Honors Recitation I
- Bisc 165: Honors Recitation II
- Bisc 200: Research Experience
- Bisc 206: Human Anatomy and Physiology I
- Bisc 207: Human Anatomy and Physiology II
- Bisc 210: Principles of Microbiology
- Bisc 220: Natural Resource Management
- Bisc 300: Research Methods in Biology
- Bisc 301: Evolution
- Bisc 305: Science in Practice
- Bisc 306: Virology
- Bisc 310: Human Anatomy
- Bisc 318: Botany
- Bisc 320: Introductory Marine Biology
- Bisc 321: Introductory Aquatic Biology
- Bisc 322: General Ecology
- Bisc 323: Biology of Invasive Species
- Bisc 327: Introductory Neuroscience
- Bisc 329: Biology of Fishes
- Bisc 330: Introductory Physiology
- Bisc 331: Comparative Anatomy of the Vertebrates
- Bisc 332: Comparative Embryology of Vertebrates
- Bisc 333: General Microbiology
- Bisc 334: Ornithology
- Bisc 335: Human Reproduction
- Bisc 336: Genetics
- Bisc 337: Introductory Entomology
- Bisc 338: Invertebrate Zoology
- Bisc 339: Phycology
- Bisc 342: Plant Diversity
- Bisc 345: Symbiosis: From Parasitism to Mutualism
- Bisc 349: Biology of Sharks and Their Relatives
- Bisc 350: Mammalogy
- Bisc 352: Coastal Ecology
- Bisc 370: Introductory Molecular Genetics
- Bisc 372: Introductory Cell Biology



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- Bisc 380: Topics in Biology Abroad
- Bisc 413: Conservation Biology
- Bisc 414: Immunology and Serology
- Bisc 415: Vertebrate Histology
- Bisc 416: Elementary Parasitology
- Bisc 417: Evolution and Medicine
- Bisc 418: Introduction to Molecular Systematics
- Bisc 427: Methods in Comparative Neuroscience
- Bisc 435: Research in Freshwater Biology
- Bisc 436: Human and Vertebrate Genetics
- Bisc 438: Microbial Physiology
- Bisc 440: Cell and Molecular Biology
- Bisc 441: Tropical Botany
- Bisc 443: Ecology of Plant Communities of MS
- Bisc 445: Introduction to Coral-Reef Ecology
- Bisc 446: Fishes of the Tropics
- Bisc 447: Neotropical Forest Herpetology
- Bisc 448: Tropical Studies in Biology
- Bisc 449: Tropical Invertebrate Biology
- Bisc 450: Tropical Ornithology
- Bisc 451: Ecotoxicology
- Bisc 479: Special Topics in Biology
- Bisc 491: Directed Study in Biological Sciences I
- Bisc 492: Directed Study in Biological Sciences II
- Bisc 493: Capstone Directed Study
- Bisc 498: Major Field Achievement Test
- Bisc 499: Listing for Individual Basis Courses
- Bisc 502: Mycology
- Bisc 503: Topics in Bioinformatics
- Bisc 504: Biometry
- Bisc 505: Aquatic Microbiology
- Bisc 507: Cell Biology of Cancer
- Bisc 509: Microbial Genetics
- Bisc 510: Theoretical Ecology
- Bisc 511: Applied Microbiology
- Bisc 512: Animal Behavior
- Bisc 513: Limnological Methods
- Bisc 514: Population Genetics
- Bisc 515: Conservation Biology: Viable Populations
- Bisc 516: Plant Physiology
- Bisc 518: Microtechnique
- Bisc 519: Physiology of Aquatic Animals
- Bisc 520: Medical Microbiology
- Bisc 521: Cell Physiology
- Bisc 522: Microbial Ecology
- Bisc 523: Molecular Microbiol. of Soils & Sediment
- Bisc 524: Aquatic Botany
- Bisc 525: Conservation and Restoration Ecology
- Bisc 526: Survey of the Amphibia
- Bisc 527: Survey of the Reptilia
- Bisc 528: Conservation Physiology
- Bisc 528: Principles of Developmental Biology
- Bisc 529: Endocrinology
- Bisc 530: Advanced Field Study in Ecology
- Bisc 531: Plant Morphology
- Bisc 532: Plant Taxonomy
- Bisc 533: Advanced Neuroscience
- Bisc 534: Freshwater Insects
- Bisc 535: Plant-Insect Interactions



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- Bisc 538: Hormones and Behavior
- Bisc 540: Chemical Ecology
- Bisc 541: Cell Biol. of Neurodegenerative Disease
- Bisc 542: Microbial Diversity
- Bisc 543: Functional Neuroanatomy
- Bisc 546: Herpetology
- Bisc 547: Advanced Histology
- Bisc 548: Plant Cell and Developmental Biology
- Bisc 550: Biological Oceanography
- Bisc 551: Protozoology
- Bisc 553: Comparative Animal Physiology
- Bisc 554: Ecological Physiology
- Bisc 555: Radiation Biology
- Bisc 560: Microbial Experimental Evolution
- Bisc 566: Evolutionary Biology
- Bisc 567: Evolutionary Biology Laboratory
- Bisc 568: Infectious Disease Ecology
- Bisc 571: History of Biology
- Bisc 578: Advanced Topics in Biology I
- Bisc 579: Advanced Topics in Biology
- Bisc 580: Advanced Topics in Biology III
- Bisc 590: Systems Biology: Theory and Practice
- Bisc 604: Experimental Design
- Bisc 608: Limnology
- Bisc 609: Stream Ecology
- Bisc 610: Virology
- Bisc 611: Wetlands Ecology
- Bisc 613: Plant Ecology
- Bisc 614: Advanced General Microbiology
- Bisc 615: Ichthyology
- Bisc 616: Population Biology
- Bisc 617: Fishery Biology
- Bisc 618: Community Ecology
- Bisc 619: Ecosystems Ecology
- Bisc 620: Field Botany
- Bisc 621: Behavioral Endocrinology
- Bisc 622: Behavioral Ecology
- Bisc 623: Aquatic Plants
- Bisc 626: Aquatic Ornithology
- Bisc 628: Advanced Reproductive Physiology
- Bisc 629: Advanced Biochemical Endocrinology
- Bisc 630: Algology
- Bisc 631: Advanced Aquatic Techniques
- Bisc 632: Aquatic Toxicology
- Bisc 633: Microbial Energetics
- Bisc 635: Insect Taxonomy
- Bisc 637: Prokaryotic Development
- Bisc 639: Insect Morphology
- Bisc 640: Biology of Amphibia
- Bisc 641: Biology of Reptilia
- Bisc 647: Invertebrate Zoology
- Bisc 649: Methods in Molecular Biology
- Bisc 650: Career Issues in Graduate Study
- Bisc 651: Advanced Parasitology
- Bisc 658: Systems Biology: Theory and Practice
- Bisc 659: Techniques in Molecular Systematics
- Bisc 660: Plant Anatomy and Development
- Bisc 661: Phylogenetic Systematics
- Bisc 662: Multivariate Analysis of Ecological Data



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- Bisc 675: Advanced Microbial Physiology
- Bisc 676: Topics in Evolutionary Physiology
- Bisc 677: Topics in Evolution and Ecology
- Bisc 678: Topics in Environmental & Applied Micro
- Bisc 679: Directed Study in Biological Science
- Bisc 691: Seminar
- Bisc 692: Seminars on Special Topics
- Bisc 693: Microbiology Seminar
- Bisc 697: Thesis
- Bisc 797: Dissertation

