

**ARKANSAS STATE UNIVERSITY
COLLEGE OF SCIENCES AND MATHEMATICS**

NAME: _____

Student ID #: _____

COMMITTEE CHAIR: _____

DEGREE & MAJOR: M.A.: BIOLOGICAL SCIENCES

Checksheet updated November 2017

ADMISSION REQUIREMENTS:

- _____ 1) A minimum of 18 undergraduate hours in biological sciences and undergraduate grade point of 2.75 or greater (on 4.0 scale)
- _____ 2) A minimum GRE combined verbal and quantitative score of 300.
- _____ 3) Three letters of reference.
- _____ 4) A statement of educational objectives and career goals.

MAJOR REQUIREMENTS - 36 HOURS, which includes 3 practicum hours

A minimum of 8 credit hours at the 6000 level, in addition to the REQUIRED COURSES.

No more than 3 credit hours of Independent Study can be applied toward the degree.

NOTE: Semesters listed when courses are offered are subject to change.

REQUIRED COURSES

BIO 6003 Scientific Methods Rsch Design	F	_____
BIO 6001 Biological Seminar	All	_____
BIO 6371 Practicum I (Minor Project)	All	_____
BIO 6372 Practicum II (Major Project)	All	_____

Choose at least one of the following (3-4 credit hours)

BIO 504V SP T Biometry	Sp even	_____
OR		
BIO 5684 Biological Data Analyses	Sp	_____
OR		
BIO 6601 Envr. Sys. Analysis Lab &	Sp odd	_____
BIO 6603 Envr. Systems Analysis	Sp odd	_____
OR		
Tools course (as agreed upon by committee)		_____

Choose at least 8-credit hours of the following

BIO 6013 Evolutionary Biology	F even	_____
BIO 6113 Advanced Cell Biology		_____
BIO 6123 Specialized Biochemistry	Sp odd	_____
BIO 6301 Aquatic Biology &		_____
BIO 6302 Aquatic Biology Lab		_____
BIO 6311 Med./Vet. Entomology Lab &	Sp even	_____
BIO 6313 Med./Vet. Entomology	Sp even	_____
BIO 6321 Insect Taxonomy Lab &	F even	_____
BIO 6322 Insect Taxonomy	F even	_____
BIO 6331 Comparative Ethology Lab &	Su odd	_____
BIO 6332 Comparative Ethology	Su odd	_____
BIO 6342 Natural Hist of Vertebrates &	Sp odd	_____
BIO 6352 Natural Hist of Vertebrates Lab	Sp odd	_____
BIO 6351 Comparative Physiology Lab &	Su even	_____
BIO 6353 Comparative Physiology	Su even	_____
BIO 6503 Mechanisms of Speciation	F odd	_____
BIO 6513 Global Change Biology	F even	_____
BIO 6621 Case Studies in Ecostym Mgmt Lab &	F odd	_____
BIO 6623 Case Studies in Ecostym Mgmt	F odd	_____
BIO 6633 Population Community Ecology		_____
BIO 6653 Aquatic Ecotoxicology	Sp odd	_____
BIO XXXX Environmentor Mentoring		_____
BIO 680V Independent Study (up to 3 hours)	All	_____

Courses Not Listed (e.g., ESCI, MBS, POSC, GEOG, STAT):

_____		_____
_____		_____

5000-level courses

		<u>grade</u>
BIO 5001 Lab Tech in Elec. Microscopy &	F even	_____
BIO 5003 Lab Tech in Elec. Microscopy Le	F even	_____
BIO 5013 Population Genetics	Sp even	_____
BIO 5033 Bioinformatics and Applications		_____
BIO 5063 Biosafety and Ethics in Research	F even	_____
BIO 5103 Virology	F even	_____
BIO 5104 Microbiology	FS Su even	_____
BIO 5113 Immunology	F	_____
BIO 5123 Cell Signaling	Sp odd	_____
BIO 5131 Cell Biology Lab &	Sp	_____
BIO 5133 Cell Biology	Sp	_____
BIO 5143 Pharmacology	Sp	_____
BIO 5201 Issues in Human Ecology Lab &	Sp odd	_____
BIO 5202 Issues in Human Ecology	Sp odd	_____
BIO 5213 Human Genetics	F odd	_____
BIO 5301 Aquatic Entomology &	Sp odd	_____
BIO 5302 Aquatic Entomology Lab	Sp odd	_____
BIO 5303 Forensic Entomology		_____
BIO 5311 Fishery Biology &	Su even	_____
BIO 5312 Fishery Biology Lab	Su even	_____
BIO 5322 Marine Mammals Lab &	Sp odd	_____
BIO 5323 Biology of Marine Mammals	Sp odd	_____
BIO 5332 Animal Histology		_____
BIO 5342 Animal Histology Lab		_____
BIO 5333 Marine Biology		_____
BIO 5341 Animal Embryology Lab		_____
BIO 5343 Animal Embryology		_____
BIO 5351 Mammalogy Lab &	F even	_____
BIO 5352 Mammalogy	F even	_____
BIO 5361 Mammalian Neurobiology Lab &	F even	_____
BIO 5363 Mammalian Neurobiology	F even	_____
BIO 5362 Applied Aquaculture	Su	_____
BIO 5371 Animal Ecology Lab &	F odd	_____
BIO 5373 Animal Ecology	F odd	_____
BIO 5372 Applied Fisheries	Su	_____
BIO 5382 Parasitology &	Sp	_____
BIO 5392 Parasitology Lab	Sp	_____
BIO 5401 Ichthyology Lab &	Sp even	_____
BIO 5402 Ichthyology	Sp even	_____
BIO 5403 Comparative Vertebrate Reprod.	F even	_____
BIO 5411 Herpetology Lab &	Sp even	_____
BIO 5412 Herpetology	Sp even	_____
BIO 5421 Ornithology Lab &	Sp even	_____
BIO 5423 Ornithology	Sp even	_____
BIO 5433 Field Experience in Marine Environ.		_____
BIO 5444 Wildlife Population Modeling		_____
BIO 544V Special Topics _____		_____
BIO 5513 Plant Physiology	F odd	_____
BIO 5521 Wetlands Plant Ecology Lab &	Sp even	_____
BIO 5522 Wetlands Plant Ecology	Sp even	_____
BIO 5541 Mycology Lab &	F odd	_____
BIO 5542 Mycology	F odd	_____
BIO 5551 Medical Mycology Lab &	F even	_____
BIO 5552 Medical Mycology	F even	_____
BIO 5601 Limnology Lab &	F odd	_____
BIO 5603 Limnology	F odd	_____
BIO 5613 Conservation Biology	Sp odd	_____
BIO 5263 Environmental Microbiology	Sp odd	_____
BIO 5611 Radiation Safety	All	_____
BIO 5633 Environ Toxicology:Mech & Imp.	F even	_____
BIO 5704 Plant Systematics	Sp	_____
BIO 5714 Dendrology	F even	_____