

**ALABAMA STATE UNIVERSITY**  
 College of Science, Technology, Engineering and Mathematics  
 Department of Biological Sciences

**MASTER OF SCIENCE IN BIOLOGY THESIS CURRICULUM GUIDE**

NAME \_\_\_\_\_ CWID \_\_\_\_\_

Course Number	Course Description	Credits	Grade	Semester Completed
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**REQUIRED CORE COURSES (19 credit hours)**

BIO 500	Graduate Seminar in Biology	1		
BIO 517	Cell and Molecular Biology	4		
BIO 521	Biological Techniques & Instrm.	4		
BIO 619	Molecular Genetics	4		
BIO 660	Research & Thesis	3		
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**MAJOR ELECTIVE COURSES (16 credit hours)**

BIO 503	Adv. Ecology	4	BIO 607	Endocrinology	4
BIO 505	Vascular Plants	4	BIO 609	Protozoology	4
BIO 506	Mammalian Physiology	4	BIO 611	Physiological Chem.	4
BIO 507	Plant Morphology & Taxonomy	4	BIO 612	Adv. Plant Physiology	4
BIO 508	Adv. Parasitology	4	BIO 614	Applied Microbiology	4
BIO 509	Microbial Ecology	4	BIO 618	Virology	4
BIO 510	Adv. Microbiology	4	BIO 640	Environmental Microbial	4
BIO 515	Cytogenetics	4	BIO 650	Special Topics	4
			BST 500	Biostatistics	4

**Required Core Classes – 13**  
**Advisor Approved Electives – 16**  
**Thesis Hours - 6**