

**Master of Science in Biological Sciences
Cell and Molecular Biology Concentration**

Name:		ID:		
Advisor:		Catalog: 2023 - 2024		
Core Courses (15 Hours)				
Course		Hours	Semester	Grade
BCHM 722 Experimental Design and Techniques		3		
BIOS 787 Scientific Communication		3		
BIOS 799 Thesis		6		
ENSC 705 Statistical Techniques		3		
Concentration Courses (6 Hours)				
BIOS 675 Advanced Developmental Biology		3		
BIOS 777 Advanced Cell and Molecular Biology		3		
Concentration Electives (Any three courses; 9 Hours)				
BCHM	610 Biochemistry and Molecular Biology-1	3		
BIOS	621 Advanced Immunology	3		
	644 Brain Development and Degeneration	3		
	670 Evolution	3		
	690 Special Topics	3		
	745 Plant Molecular Biology	3		
Total Credit Hours		30	LSUS GPA	

Master of Science in Biological Sciences
Field and Organismal Biology and Environmental Science (FOBES)
Concentration

Name:		ID:	
Advisor:		Catalog: 2023 - 2024	
Core Courses (15 Hours)			
Course	Hours	Semester	Grade
BCHM 722 Experimental Design and Techniques	3		
BIOS 787 Scientific Communication	3		
ENSC 705 Statistical Techniques	3		
BIOS 799 Thesis	6		
Concentration Courses (6 hours)			
BIOS 670 Evolution	3		
BIOS 640 Ecology	3		
Concentration Electives (9 Hours) – labs are optional			
BIOS 620 + Lab – Cell Biology	3 + 1		
BIOS 630 + Lab – Molecular Biology	3 + 1		
BIOS 635 + Lab – Ornithology	3 + 1		
BIOS 640 + Lab - Ecology	3 + 1		
BIOS 646 + Lab - Aquatic Biology	3 + 1		
BIOS 662 Astrobiology	3		
BIOS 665 Biotechnology	3		
BIOS 670 Evolution	3		
BIOS 671 Biogeography	3		
BIOS 690 Special Topics	3		
BIOS 676 Biological Anthropology	3		
BIOS 740 Ecological Methodology	3		
BIOS 745 Plant Molecular Biology	3		
BIOS 790 Special Topics	3		
BIOS 795 Independent Study	1 - 3		
ENSC 621 Environmental Analysis	3		
ENSC 641 Environmental Compliance	3		
ENSC 741 Environmental Law	3		
ENSC 790 Special Topics	3		
ENSC 790 Independent Study	1 - 3		
Total Credit Hours	30	LSUS GPA	