

**Dept of Biology**  
**Graduate Program Curriculum Map**  
**MS in Biology**  
**Aug-20**

		Core Courses					Elective Examples																	
		PCB 5924 Biology Seminar	BSC 6002L Contemporary Lab Skill	PCB 6074 Experimental Design in Biology	BSC 6840 Professional Development	BSC 6971 Thesis	PCB 5527 Molecular Biology	ZOO 5305C Marine Vertebrate Zoology	PCB 5445C Coastal Marine Ecology	PCB 5319 Marine Ecophysiology	BSC 5305 Biogeography	ZOO 5486 Marine Mammalogy	ZOO 5452 Elasmobranch Biology	ZOO 5458 Fish Physiology	ZOO 5514 Animal Behavior	PCB 5675 Principles of Evolution	PCB 5727 Comparative Animal Physiology	ZOO 5475 Avian Science	PCB 5235 Immunology	BOT 5376 Plant Developmental Biology	BOT 5506 Plant Physiology	BOT 5735 Plant Biotechnology	BOT 5852 Medicinal Botany	
<b>Content</b>	Identify and use advanced concepts, principles, and theories that form the foundation of research in the biological sciences		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>Critical Thinking</b>	Employ and defend the scientific method in solving defined problems in the biological sciences		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>Communication</b>	Communicate biological information in oral and written form development	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>Integrity and Values</b>	Adhere to appropriate ethical practices in thesis research	X			X	X																		