Curriculum for (MS) in Biological Sciences

The Master's Degree in Biological Sciences is designed to prepare students for further advanced study in Biology, to expand the scientific backgrounds and competencies, and to advance the careers of persons in industry, government agencies, and other related positions. The degree requirements include and emphasize a research thesis based on individual laboratory or field study in Biology. The program requires 30 credits and is designed to allow completion over a three-year period on a part-time basis.

Course Requirements:

YEAR 1

Course #	**Course Name**	**Graduate Credit Hours**
BIOL-505	Experimental Design and Biostatistics	3
BIOL-520	Cell Biology	3
BIOL-521	Molecular Biology	3
BIOL-590	Professional Development Workshop I	2
BIOL-591	Professional Development Workshop II	1
BIOL-535	Current Techniques in Biology	3
BIOL 604	Scientific Integrity	1

YEAR 2

BIOL-xxx	Two Electives	6
BIOL-690	Thesis Research I	3
BIOL-691	Thesis Research II	3
Select one from be low:		3
BIOL-650	Biological Mechanisms - 3 credits	
or CHEM-521	Advanced Biochemistry - 3 credits	
or CHEM-671	Bioorganic Chemistry - 3 credits	

Total credit hours for graduation: **30** (24 course credits + 6 research credits)

Allowed electives (3 credits each):
Any graduate course offered in the Department of Biological Sciences or, any of the below graduate courses*:

CHEM-510	Environmental Chemistry
CHEM-562	Chemical Toxicology
PHYS-655	Computational Methods (or equivalent)

AGRI-504	Population Biology
AGRI-642	Advanced Wildlife Biology
AGRI-643	Marine Biology
AGRI-644	Wetlands Biology
NTRS-502	Habitat Management: Theory
NTRS-503	Habitat Management: Practice

**And other "biological course approved by Research Advisor and Department Chair*

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