

ACADEMIC DIVISION OF SCIENCES AND TECHNOLOGY			
Degree: Master in Environmental Sciences (MES) Credits: 35		CURRICULUM Since: August 2017	
<b>Program: Environmental Management</b>			
<b>Description:</b> The graduate program in Environmental Sciences is scientific/technological in its nature. It seeks to develop professionals that will assume responsibility and leadership in their fields. Our graduates will be prepared to provide alternatives for the conservation of the environment and to present solutions to environmental situations in our society, enabling them to conserve, manage and restore natural systems. The graduate student in Environmental Management will be able to: apply or establish the procedures for handling and disposal of waste; develop and work with the stability of the evaluation programs and the environmental management in private or public enterprises.			
COURSE CODE	COURSE TITLE	CREDITS	REQUISITES
<b>Core Courses (17 credits)</b>			
STAT 750	Experimental Design	3	STAT505 or Equiv.
ENSC 751	Environmental Laws, Ethics and Public Policy	3	None
ENSC 752	Water Quality Management	3	None
ENSC 753	Soil Management	3	None
ENSC 754	Air Quality Management	3	None
ENSC 755	Graduate Seminar I	1	None
ENSC 756	Graduate Seminar II	1	ENSC 755
<b>Required Specialization Courses (Select 12 credits)</b>			
ECON 700	Environmental Economics	3	None
ENSC 706	Wildlife Management	3	None
ENSC 707	Environmental Geology	3	None
ENSC 709	Environmental Management and Planning	3	ENSC 763
ENSC 730	Solid Waste Management	3	None
ENSC 737	Renewable Energy Sources and Issues	3	None
ENSC 760	Hazardous Waste Operations and Emergency Response	3	None
ENSC 763	Environmental Evaluation	3	ENSC 751
ENSC 770	Classification and Characterization of Hazardous Waste	3	None
ENSC 790	Special Topics in Environmental Sciences	1-6	None
ENSC 839	Issues in Environmental Public Health	3	None
ENSC 841	Environmental Remediation	3	CHEM 221
ENSC 865	Environmental Toxicology	3	None
BIOL 712	Applied Mycology	3	None
BIOL 713	Microbial Ecology	3	None
BIOL 843	Environmental Microbiology	3	BIOL320
BIOL 844	Environmental Biotechnology	3	None
CHEM 735	Environmental Chemical Analysis I	3	CHEM430 or Equiv.
CHEM 736	Environmental Chemical Analysis II	3	CHEM 735
CHEM 850	Environmental Catalysis	3	None
CHEM 852	Materials for Pollution Control	3	CHEM 463-464
CHEM 861	Nanotechnology	3	None
(ENVM 812)	Internship	3	ENSC 763
<b>Research required course (6 credits)</b>			
Special Group Project (ENVM 811)1 or Research Thesis (ENSC 8102)		6	ENSC 763, ENSC 709

Students wishing to be admitted to master's program must meet the following requirements: Hold a Bachelor's degree or an equivalent degree in Science from an accredited institution of higher education. To take one of the tests of admission to graduate studies offered by the Educational Testing Service, such as the Graduate Studies Admission Test (EXADEP) or the Graduate Record Examination (GRE). Complete an interview process with the graduate committee.

The minimum GPA is 2.75.

The specify requirements depend of the bachelor concentration and the program that the student will be admitted; in some cases the graduate committee could recommend undergraduate courses.

The following basic courses **STAT 505** and **ENSC 500** will be recommend by the graduate committee. This courses are not belong to the master's program.

The students that select ENVM 811 should have ENSC 763 and ENSC 709 as requirement specialization courses<sup>1</sup> or the student will enroll variables research credits<sup>2</sup>.

<b>ENSC500</b>	<b>Fundamentals of Environmental Sciences</b>	<b>3</b>
<b>STAT 505</b>	<b>Statistics as an Instrument in Research</b>	<b>3</b>

ACADEMIC DIVISION OF SCIENCES AND TECHNOLOGY			
Degree: MASTER IN ENVIRONMENTAL SCIENCES (MES) Credits: 35		PLAN OF STUDY	
Program: ENVIRONMENTAL MANAGEMENT			
Course Code	Course Title	Credits	Requisites
<b>FIRST YEAR - FIRST SEMESTER</b>			
STAT 750	Experimental Design	3	STAT 505 or Equiv.
ENSC 754	Air Quality Management	3	None
ENSC 755	Graduate Seminar I	1	None
		<b>7</b>	
<b>FIRST YEAR - SECOND SEMESTER</b>			
ENSC 751	Environmental Laws, Ethics, and Public Policy	3	None
ENSC 753	Soil Management	3	
		<b>6</b>	
<b>SECOND YEAR - FIRST SEMESTER</b>			
ENSC 752	Water Quality Management	3	None
ENSC XXX	Specialization Course (700-800 Level)	3	None
ENSC 810	Master Thesis (Proposal Redaction)	1	Advisor's Approval
		<b>7</b>	
<b>SECOND YEAR - SECOND SEMESTER</b>			
ENSC XXX	Specialization Course (700-800 Level)	3	Advisor's Approval
ENSC XXX	Specialization Course (700-800 Level)	3	Advisor's Approval
ENSC 811	Special Group Project	3	Advisor's Approval
		<b>9</b>	
<b>THIRD YEAR - FIRST SEMESTER</b>			
ENSC XXX	Specialization Course	3	Advisor's Approval
ENSC 812 or ENSC 753	Internship Environmental Evaluation	3 3	Advisor's Approval ENSC 751
		<b>6</b>	

Rev. 2015