

MS AGRICULTURE, SPECIALIZATION IN IRRIGATION

Program Learning Objectives

1. Demonstrate expertise in their respective discipline.
2. Develop, test or select the appropriate technology in their respective discipline.
3. Demonstrate effective communication skills.
4. Formulate decisions utilizing professional ethics.
5. Value the diversity of people and ideas.
6. Investigate problems using critical thinking and derive appropriate solutions.

Required Courses

AG 581	Graduate Seminar	2
BRAE 438	Drip/Micro Irrigation	4
BRAE 440	Agricultural Irrigation Systems	4
BRAE 500	Individual Study	3
BRAE 533	Irrigation Project Design	4
BRAE 599	Thesis in BioResource and Agricultural Engineering	9
ESCI 501	Research Planning	4
STAT 511	Statistical Methods	4
STAT 513	Applied Experimental Design and Regression Models	4

Approved Electives

Any 400 and 500 level courses approved by the student's graduate committee ¹		7
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Total units		45
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¹ At least 60% of all units required by the committee as reflected on the formal study plan must be at the 500 level.