

# MS AGRICULTURE, SPECIALIZATION IN CROP SCIENCE

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## 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

|  |   |           |
|--|---|-----------|
| AEPS 575   | Applied Systematics for Agriculture               | 4         |
| AEPS 596   | Thesis in Crop Science                            | 9         |
| or AEPS 598  | Thesis in Fruit Science                           |           |
| AG 581   | Graduate Seminar                                  | 2         |
| ESCI 501   | Research Planning                                 | 4         |
| STAT 511   | Statistical Methods                               | 4         |
| STAT 513   | Applied Experimental Design and Regression Models | 4         |
| Select from the following:   |   | 8         |
| AEPS 410   | Crop Physiology                                   |           |
| AEPS 421   | Postharvest Technology of Horticultural Crops     |           |
| AEPS 445   | Cropping Systems                                  |           |
| AEPS 470   | Selected Advanced Topics                          |           |
| or WVIT 470  | Selected Advanced Topics                          |           |
| <b>Approved Electives</b>  |   |           |
| Any 400 and 500 level courses, approved by the student's graduate committee <sup>1</sup> |   | 10        |
| <b>Total units</b>   |   | <b>45</b> |

<sup>1</sup> At least 60% of all units required by the committee as reflected on the formal study plan must be at the 500 level.