

# EXTENSION EDUCATION, MASTER OF EXTENSION EDUCATION (M.EXT.ED.)

**Thesis or non-thesis option:** 30 credits required

## Thesis Option:

For the thesis option, 6 credit hours must be in AGST 799, "Master's Thesis Research." The thesis should be completed towards the end of the student's coursework. The thesis must be approved by the Thesis Examining Committee, which consists of three members of the graduate faculty. The chair of the committee should be the student's thesis advisor.

## Non-Thesis Option:

For the non-thesis option, a minimum of 6 credit hours must be from courses numbered 600 and above. Instead of a thesis, students should submit one professional article in publication ready format or present an individually created research based creative component (curricula, professional training design, learning media product, etc.) to the Non-Thesis Review Committee, which consists of three members of the graduate faculty. The chair of the committee should be the student's advisor.

Course	Title	Credits
Core courses:		
AGST606	Program Planning and Evaluation in Agricultural and Extension Education	3
AGST630	Adult and Community Development Education	3
AGST605	Extension Research Methods with Applied Data Analysis	3
AGST640	Analysis of Maryland Agriculture	3

## Elective Options (12-18 credits)

Students will work with a faculty advisor to identify and enroll in a set of elective courses that align with their career focused learning outcomes. The following is a sample of courses. Students may seek permission from the program to enroll in courses not included on this list.

Course	Title	Credits
BIOM601	Biostatistics I	4
BIOM602	Biostatistics II	4
BIOM603	Biostatistics III	4
BIOM621		3
ANSC417	Regulatory Issues in Animal Care and Management	3
ANSC436	Animal Health Policy and Communication	3
ANSC437	Animal Biotechnology	3
ANSC440	Zoonotic Diseases and Control	3
ANSC450	Animal Breeding Plans	3
ANSC455	Applied Animal Behavior	3

Course	Title	Credits
AREC405	Economics of Production	3
AREC422	Econometric Analysis in Agricultural and Environmental Economics	3
AREC426	Economic Methods and Food Consumption Policy	3
AREC427	Commodity Pricing and Markets	3
AREC430	Introduction to Agricultural and Resource Law	3
AREC433	Food and Agricultural Policy	3
AREC445	Agricultural Development, Population Growth and the Environment	3
AREC453	Natural Resources and Public Policy	3
AREC455	Economics of Land Use	3

Course	Title	Credits
ENST403	Invasive Species Ecology	3
ENST405	Energy and Environment	3
ENST411	Principles of Soil Fertility	3
ENST414	Soil Morphology, Genesis and Classification	4
ENST415	Renewable Energy	3
ENST417	Soil Hydrology and Physics	3
ENST421	Soil Chemistry	4
ENST422	Soil Microbial Ecology	3
ENST423	Soil-Water Pollution	3
ENST430	Wetland Soils	3
ENST432	Environmental Microbiology	3
ENST436	Emerging Environmental Threats	3
ENST441	Sustainable Agriculture	3
ENST450	Wetland Ecology	3
ENST452	Wetland Restoration	3
ENST460	Principles of Wildlife Management	3
ENST603	Advanced Invasive Species Ecology	3
ENST462	Field Techniques in Wildlife Management	3
ENST605	Energy and Environment	3
ENST611	Advanced Principles of Soil Fertility	3
ENST622	Advanced Soil Microbial Ecology	3
ENST630	Advanced Wetland Soils	3

Course	Title	Credits
ENTM609		1-4
ENTM735	Sustainability	3

Course	Title	Credits
LARC452	Green Infrastructure and Community Greening	3
LARC461	People and the Environment	3
LARC620	Graphic Tools for Landscape Representation	3
LARC663	Landscape and Garden History	3

Course	Title	Credits
NFSC425		3
NFSC430	Food Microbiology	3
NFSC431	Food Quality Control	4
NFSC440	Advanced Human Nutrition	4
NFSC435		2
NFSC470	Community Nutrition	3

NFSC605		3
NFSC620	Diet and Cancer Prevention	3
NFSC690	Nutrition and Aging	3
NFSC735	Food Toxicology	3
NFSC679	Selected Topics in Food Science	1-6

Course	Title	Credits
AGST400	Advanced Crop Science	3
PLSC433	Technology of Fruit and Vegetable Production	4
PLSC452	Environmental Horticulture	3
PLSC453	Weed Science	3
PLSC461	Cultural Management of Nursery and Greenhouse Systems: Substrates	1
PLSC462	Cultural Management of Nursery and Greenhouse Systems; Irrigation	1
PLSC464	Cultural Management of Nursery and Greenhouse Systems: Nutrients	1
PLSC685	Advanced Plant Ecophysiology	3

Course	Title	Credits
AGST799	Master's Thesis Research (Master's Thesis Research)	1-6