BS in Agricultural Education with Emphasis in Teacher Certification

Degree Program Description
Agricultural Education combines interests in agriculture, working with people, shaping the next generation’s understanding of agriculture and its role in society, and using communication and human relation skills to obtain leadership roles in many agricultural industries. The degree in Agricultural Education with emphasis in Teacher Certification prepares students to meet state teacher certification requirements and teach agriculture in public schools at the secondary and adult levels. In addition to courses in agricultural education, the teaching option curriculum includes courses in general education, technical agriculture (agricultural economics, agricultural business and management, animal science, plant and soil science, agricultural systems management, horticulture, natural resources and forestry) and professional teacher certification courses offered through the College of Education. The capstone experience involves a 16-week student teaching internship.

Major Program Requirements
Students earning a Bachelor of Science in Agricultural Education are required to complete all University general education (http://catalog.missouri.edu/academicdegreerequirements/generaleducationrequirements), University undergraduate requirements (http://catalog.missouri.edu/academicdegreerequirements/universityrequirements), degree, and major requirements, including selected foundational courses (http://catalog.missouri.edu/undergraduategraduate/collegeofagriculturefoodandnaturalresources/agricultureeducation/bs-agricultural-education), which may fulfill some University general education requirements.

Teacher Certification Emphasis
The Teacher Certification emphasis prepares students to meet state teacher licensure requirements to teach agriculture in Missouri public schools at the secondary and adult levels. In addition to courses in agricultural education, the curriculum includes a diverse selection of courses in agriculture, food and natural resources and professional teacher certification courses offered through the College of Education. The capstone experience involves a semester-long teaching internship in a selected secondary agriculture program.

Emphasis core requirements 28
AG_ED_LD 1000 Orientation to Agricultural Education and Leadership 3
AG_ED_LD 2270 Leadership Development in Youth Organizations 3
AG_ED_LD 2271 Early Field Experience 1
AG_ED_LD 4310 Intracurricular Program Management in Agricultural Education 3
AG_ED_LD 4320 Methods of Teaching I 3
AG_ED_LD 4321 Field Experience I 1
AG_ED_LD 4330 Methods of Teaching II 3
AG_ED_LD 4331 Field Experience II 1
AG_ED_LD 4995 Student Teaching Internship in Agriculture 9

College of Education
LTC 4565 Reading and Writing in the Content Areas II 12
LTC 4460 Teaching English to Speakers of Other Languages 3
ESC_PS 2010 Inquiry Into Learning I 3
LTC 2040 Inquiring into Schools, Community and Society I 3
SPC_ED 4020 Teaching the Exceptional Learner 3
LTC 4560 Reading and Writing in the Content Areas 3

Agribusiness Management 6
ABM 2223 Agricultural Sales 3
AND Agribusiness Management Elective 3

Animal Science 6-8
AN_SCI 1165 Biology of Animal Production I with Laboratory or AN_SCI 1164 Biology of Animal Production I
AN_SCI 1175 Biology of Animal Production II with Laboratory or AN_SCI 1174 Biology of Animal Production II

Agronomy 3
PLNT_S 2110 Plants and their Cultivation 3
or SOIL 2100 Introduction to Soils 3
or PLNT_S 3275 Grain Crops 3
or PLNT_S 3270 Forage Crops 3

Agricultural Systems Management 6
AG_S_M 1020 Introduction to Agricultural Systems Management 3
AG_ED_LD 3320 Metal Fabrication and Laboratory Management 3

Horticulture 7
PLNT_S 2075 Environmental Horticulture 3
PLNT_S 3260 Greenhouse Management 3-4
or PLNT_S 4365 Greenhouse Crops Production 3
or PLNT_S 3230W Plant Propagation - Writing Intensive 3

Electives 18
CAFNR electives 6-8
General Electives 9

Semester Plan
Please visit with an advisor actual plans may vary based on course choices where options are available.

First Year
Fall CR Spring CR
AG_ED_LD 1000 1 MATH 1100* 3
ABM 1041* 3
ENGLISH 1000* 3
AG_ED_LD 2250 3 AN_SCI 1165 4
PLNT_S 2110 3 ABM 2223 3

9 13 16
Second Year

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Total Credits: 120

* Denotes University General Education Requirements
^ Denotes Degree Program Requirements

Teacher Education Courses

Students proceed through three phases as they complete the baccalaureate program. Each phase includes training in technology as well as clinical experience. University general education and content requirements are completed each semester in addition to the required program area courses. A student admitted to a professional program (Phase II) must maintain the standards met at the time of admission.

The Director of Teacher Certification will monitor student GPAs each semester. Students must maintain the following minimum GPA (UM and overall) to maintain in good standing.

<table>
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<th>Phases</th>
<th>Minimum cumulative GPA (UM and overall)</th>
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Students in Phase II or III must maintain the minimum GPA for their phase to be considered in good standing. If a student in Phase II or III is determined to not be in good standing, the Director of Teacher Certification will change the student to Phase I status and will notify the student in writing. Students may apply to be readmitted to Phase II upon meeting all the minimum GPAs required of that level.

Phase I

Students are automatically enrolled into Phase I upon entering the degree program. This phase provides students with an immersion into the discipline and culture of teaching and learning before focusing on a teaching specialty. Phase I coursework includes the following courses: ESC_PS 2010, LTC 2040, AG_ED_LD 2270, AG_ED_LD 2271, AG_ED_LD 4310.

Phase II

This phase occurs over a three-semester sequence and focuses increasingly on a chosen teaching emphasis and on interdisciplinary teaching. Experiences in this phase focus on instructional strategies, human development, classroom and behavior management and educational measurement. This phase provides students with experience in the methods of teaching in a specific subject area as well as emerging problems and practices within the field of education.

- Application to Phase II is required. Students become eligible for consideration for admittance to Phase II after meeting the following criteria:
  - Current enrollment in the Agricultural Education program
  - Minimum 2.750 UM GPA of record and overall GPA (on a 4.000 scale)
  - Content GPA of 3.000 (on a 4.000 scale)
  - Professional (education) GPA of 3.000 (on a 4.000 scale)
  - Passing score on the Missouri General Education Assessment (or acceptable ACT as identified by DESE)
  - Completion of the Missouri Educator Profile (or other required dispositions instrument as identified by DESE)
  - ENGLISH 1000 (http://catalog.missouri.edu/search/?P=ENGLSH%201000) with a “C” range grade or higher
  - MATH 1100 (http://catalog.missouri.edu/search/?P=MATH%201100) with a “C” range grade or higher
  - Demonstration of competence of Phase I learning markers as demonstrated by satisfactory completion of Phase I courses (ESC_PS 2010, LTC 2040, AG_ED_LD 2270, AG_ED_LD 2271, AG_ED_LD 4310, AG_ED_LD 4320, AG_ED_LD 4320, AG_ED_LD 4320) with a grade of “S” (satisfactory), or “C” (2.00) or higher in each course
  - Demonstrated competence of Phase I mid-preparation benchmarks (as documented by Phase I instructors)
  - Possession of characteristics associated with effective performance in a professional role at the level(s) and in the major(s) selected
  - Completion of application for progression

Decisions regarding Phase II admission are made by the Director of Teacher Certification. Meeting minimum requirements for admission to Phase II does not guarantee admission to Phase II. Students may be allowed to take Phase II courses if conditionally admitted into Phase II by faculty. Faculty will consider conditional Phase II admittance on a case-by-case basis and can re-approve conditional status so long as students submit an approved plan for meeting Phase II requirements to the College of Education each semester. However, conditionally admitted students will not be fully admitted until they meet all listed requirements. Students are not eligible for Phase III admittance until fully admitted into Phase II.
Phase III

Phase III occurs during the last year, including student placement in a public school district for the entire semester, for approximately 16 weeks (12 credit hours).

Application for Phase III is required. To qualify for the teaching internship, applicants must meet the following requirements:

- Admission to Phase III in the program area
- Successful completion of all Phase II requirements
- Demonstration of competence of Phase II learning markers as demonstrated by satisfactory completion of Phase II courses (AG_ED_LD 4320, AG_ED_LD 4330, AG_ED_LD 4331, SPC_ED 4020, LTC 4460, LTC 4560, LTC 4565) with a grade of "S" (satisfactory), or "C" (2.00) or higher in each course.
- A minimum of 90 completed credit hours
- Completion of at least the preceding semester in residence
- A minimum 2.750 UM GPA of record and an overall GPA of 2.750 (on a 4.000 scale)
- Content GPA of 3.000 (on a 4.000 scale)
- Professional (education) GPA of 3.000 (on a 4.000 scale)
- Completion of specific prerequisite professional education and subject area course requirements for the level at which the teaching internship is to be accomplished

Teaching internship placements are available in several districts across the State of Missouri. Applications are accepted approximately a year preceding internship. More information concerning student teaching internships may be obtained from John Tummons, Director of Teacher Certification. 123 Gentry Hall.

Teacher Certification

Licensures

Completion of the bachelor’s degree and any additional requirements for certification must be completed before the graduate is eligible for an Initial Professional Certificate from the Department of Elementary and Secondary Education in the State of Missouri.

- Recommendation for initial certification after graduation requires:
  - Passing score on the Content Area Exam (and official scores submitted to the University of Missouri)
  - Passing score on the Missouri Pre-Service Teacher Assessment
  - Official transcripts with the degree posted submitted to Office of Assessment in 2 Hill Hall.
  - Submission of an IPC application from the DESE web application website (https://apps.dese.mo.gov/weblogin/login.aspx) to MU
  - The Department of Elementary and Secondary Education also requires that students seeking additional certification in other teaching subjects take the Content Area Exam in those additional subjects in order to be considered a Highly Qualified Teacher

A student recommended for teacher certification must meet the following criteria:

- Cumulative UM GPA of record of 2.750
- Overall GPA of 2.750 for all college course work completed
- Cumulative GPA of 3.000 in all content area course work