

## ASEC Suggested Foundational Courses for Master's and Doctoral Study

This is an incomplete list of courses that students may consider taking. Check with your advisor about specific courses to add to your Plan of Study.

**ASEC COURSES:** *Masters choose **3**- PhD choose **5-7** of the following (May include credits earned from ASEC Master's degree)*

- ASEC 540 Program Development in Agricultural and Extension Education
- ASEC 542 Introduction to Agricultural Biotechnology for Educators
- ASEC 555 Principles of Extension Education
- ASEC 565 Principles of Adult Education
- ASEC 591 Strategies for Youth Educators
- ASEC 591 Research Design for Social Scientists
- ASEC 591 Youth and New Media
- ASEC 620 Adolescent Development in Context
- ASEC 640 Courses of Study in Agricultural Education Programs
- ASEC 642 Seminar in Agricultural and Extension Education
- ASEC 643 Current Issues in Agricultural and Extension Education
- ASEC 644 Graduate Seminar

*See graduate advisor for using one or more of the following on a plan of study:*

- ASEC 590 Special Problems
- ASEC 591 Special Topics
- ASEC 595 Internship in Agricultural and Extension Education

*Theoretical Foundations (Choose **two** of the following):*

- AMST 650 Critical Approaches in Qualitative Inquiry
- COM 41900 Judgement and Decision Making
- COM 50300 Cross Cultural Communication
- COM 682 Online Social Interactions
- EDCI 531 Learning Theories and Instructional Design
- EDCI 58500 Multicultural Education
- EDCI 618 Gender and Culture in Science Education
- EDPS 53000 Advanced Education Psychology
- EDPS 53600 Achievement Motivation & Performance
- EDST 591 Educational Policymaking & Social Justice
- EDUC-W 505 African American Psychology
- ENE 505 Theories of Dev & Engineering Thinking
- HK 576 Theoretical Foundations of Health Behavior
- ASEC 591 Theories of Learning and Development
- ASEC 59100 Cultural Engagement Comm & Wkplc

*Statistics (Master's choose **One** of the following:)*

- STAT 501 Experimental Statistics I
- STAT 503 Statistical Methods for Biology
- STAT 511 Statistical Methods

*Statistics (PhD choose **one** of the following):*

- STAT 502 Experimental Statistics II (if quantitative research)
- STAT 512 Applied Regression Analysis (if quantitative research)

*Research Design and Methods Quant (M.S choose **one**; PhD choose **one** of the following):*

- COM 582 Descriptive/Experimental Research in Communication (if quantitative research)
- PSY 601 Correlation and Experimental Design (if quantitative research)

*Research Methods Qual (M.S choose **one**; PhD choose **one** of the following):*

- COM 584 Historical/Critical Research in Communication (if qualitative research)
- COM 585 Qualitative Methods in Communication Research (if qualitative research)
- EDCI 616 Advanced Qualitative Research Methods in Education (if qualitative research)

*Research, Assessment, and Evaluation (PhD Choose **one** of the following):*

- EDPS 531 Introduction to Measurement and Evaluation
- EDPS 532 Measuring Educational Achievement
- EDPS 533 Introduction to Educational Research I: Methodology
- HDFS 617 Advanced Research Methods in Child and Family Study
- SOC 680 Advanced Social Research Methods

*Research Competency (Masters)*

- EDPS 533 Introduction to Educational Research I: Methodology
- COM 500 Introduction to Graduate Studies in Communication
- FNR 580 Research Methods for Natural Resource Social Science
- SOC 580 Methods of Social Research
- SOC 583 Applications of Social Research Methods
- TECH 697 Qualitative Research Methods in Technology Studies
- ASEC 698 Research M.S. Thesis (6 credit hours minimum)

*Inference (PhD)*

- EDPS 630 Research Procedures in Education

*Dissertation: (12 credit hours minimum required for PhD)*

- ASEC 699 Research Ph.D. Theses

**DEPARTMENT OF AGRICULTURAL SCIENCES EDUCATION AND COMMUNICATION  
COURSE INFORMATION**

**MASTER'S and PhD PROGRAMS**

**Master's Degree:** Students earning a master's degree in Agricultural Sciences Education and Communication Graduate Program will gain a firm foundation in theory, critically analyze outcomes of education and communication processes, and learn about strategies used to influence how people learn and make decisions. The ASEC master's degree strikes a balance between theory and practice. Students sharpen professional skills while exploring the disciplines of educational psychology, communication, and sociology in the context of agricultural and life sciences. Students funded by assistantships or fellowships are expected to complete a thesis. A **Non-Thesis Master's degree** does not require research or the completion of a thesis. Non-Thesis Master's students will be required to complete an end of program project as defined by their committee.

Students may pursue Indiana teacher licensure in conjunction with the completion of this degree.

Most students complete a master's degree in 2 years.

Thesis	Non Thesis	Credit hours	Class
✓	✓	3	Statistics (quantitative) course
✓	✓	3	Research method (qualitative research methods evaluation course)
✓	✓	6	Theoretical Foundational courses (see Suggested Foundational Course list)
✓	✓	8-11	ASEC courses (independent study courses included)
✓	✓	1	1 cr. Hour ASEC 644 seminar
✓	✓	6	Elective course work (related field of study)
✓	--	6	ASEC 698 Research Master's Thesis
33 Cr. Hrs.	30 Cr. Hrs.		

**Doctoral Degree:** Students earning a doctoral degree in Agricultural Sciences Education and Communication Graduate Program will develop a comprehensive foundational grounding in the historical, philosophical, and theoretical tenets of the field. ASEC doctoral students typically have professional career experiences in education, communication, industry, or non-profit organizations. Through structured course work, independent study, thoughtful mentoring and original research, they develop expertise in designing and evaluating educational and communication strategies for youth and adults. Students are encouraged to develop in-depth expertise in a specialty of choice such as technology applications in youth education, risk communication, life science education, or engagement of underserved populations. Doctoral students showcase their scholarship and contribute to the literature through a dissertation that focuses on education or communication in the context of agriculture, youth, families or communities. Doctoral programs require 90 graduate credits beyond the baccalaureate degree. Completion of the doctoral degree typically requires 3 years beyond the master's degree.

PhD.	Credit Hours	Class
✓	3	Philosophical, Historical, Social Cultural course
✓	3	Research Assessment and Evaluation course
✓	3	Education/Developmental Psychology course
✓	12	Research Competency, Qualitative/Quantitative Research Methods & Statistics courses
✓	15	ASEC Courses related to major
✓	12	Elective courses related to field of study
✓	12	ASEC 699 Research PhD(Dissertation)
90 Cr. Hrs.	30	Credit hours from Masters' degree (some of these credits may be used in above categories. Total credits must equal 90.)