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.

<table>
<thead>
<tr>
<th>Thesis</th>
<th>Non Thesis</th>
<th>Credit hours</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓</td>
<td>✓</td>
<td>3</td>
<td>Statistics (quantitative) course</td>
</tr>
<tr>
<td>✓</td>
<td>✓</td>
<td>3</td>
<td>Research method (qualitative research methods evaluation course)</td>
</tr>
<tr>
<td>✓</td>
<td>✓</td>
<td>6</td>
<td>Theoretical Foundational courses (see Suggested Foundational Course list)</td>
</tr>
<tr>
<td>✓</td>
<td>✓</td>
<td>8-11</td>
<td>ASEC courses (independent study courses included)</td>
</tr>
<tr>
<td>✓</td>
<td>1</td>
<td>1 cr. Hour ASEC 644 seminar</td>
<td></td>
</tr>
<tr>
<td>✓</td>
<td>✓</td>
<td>6</td>
<td>Elective course work (related field of study)</td>
</tr>
<tr>
<td>✓</td>
<td>--</td>
<td>6</td>
<td>ASEC 698 Research Master’s Thesis</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>PhD.</th>
<th>Credit Hours</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
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<td>3</td>
<td>Philosophical, Historical, Social Cultural course</td>
</tr>
<tr>
<td>✓</td>
<td>3</td>
<td>Research Assessment and Evaluation course</td>
</tr>
<tr>
<td>✓</td>
<td>3</td>
<td>Education/Developmental Psychology course</td>
</tr>
<tr>
<td>✓</td>
<td>12</td>
<td>Research Competency, Qualitative/Quantitative Research Methods &amp; Statistics courses</td>
</tr>
<tr>
<td>✓</td>
<td>15</td>
<td>ASEC Courses related to major</td>
</tr>
<tr>
<td>✓</td>
<td>12</td>
<td>Elective courses related to field of study</td>
</tr>
<tr>
<td>✓</td>
<td>12</td>
<td>ASEC 699 Research PhD(Dissertation)</td>
</tr>
</tbody>
</table>

90 Cr. Hrs. 30 Credit hours from Masters’ degree (some of these credits may be used in above categories. Total credits must equal 90.)