

Possible Foundational Courses for ASEC 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. The courses should reflect the program goals of advancing new knowledge and innovative strategies for learning and communicating in the context of agriculture, food, natural resources, and science.

Courses from ASEC

ASEC 644 Graduate Seminar (All graduate students need to take this course)

Social Science Theory

ASEC 58500	Science Communication
ASEC 63000	Theories of Learning and Development
ASEC 62000	Adolescent Development in Context

Research Competency

ASEC 58200	Introduction to the Application of Inferential Statistics
ASEC 55000	Program Evaluation and Assessment
ASEC 59100	Conducting and Writing a Literature Review in the Social Sciences
ASEC 68100	Research Design for Social Scientists

ASEC Foundational Course in Philosophy & Theories

ASEC 52000	Foundations of Agricultural Education, Extension, and Communication

Specialization

ASEC 53100	Global Learning for Agriculture, Food and Natural Resources
ASEC 54100	Program Development in School-Based Agricultural Education
ASEC 54500	Teaching STEM Through Agriculture, Food and Natural Resources
ASEC 54600	Communication and Issues Engagement for Agricultural Professionals
ASEC 54800	Communicating Science to the Public
ASEC 55100	International Engagement and Development Strategies
ASEC 56500	Principles of Adult Education
ASEC 59100	Communicating Global Challenges
ASEC 64200	Seminar in Agricultural and Extension Education

Courses from Other Departments

Courses that are offered in the past three years (2021-2024)

59000 courses, such as Study of Special problems and Special Topics, are not included in this list.

Social Science Theory and Philosophy

AMST 65000	Reading Seminar in American Studies
COM 41900	Judgement and Decision Making
COM 51200	Theories of Interpersonal Communication
COM 57400	Organizational Communication
COM 55900	Current Trends in Mass Communication
EDCI 51300	Foundations of Learning Design and Technology
EDCI 53100	Learning Theories and Instructional Design
EDCI 58000	Foundations of Curriculum
EDCI 58500	Multicultural Education
EDCI 61800	Gender and Culture in Science Education
EDCI 68200	Contemporary Curriculum Theory
EDPS 53000	Advanced Education Psychology
EDPS 53600	Achievement Motivation & Performance
ENE 50500	Theories of Development & Engineering Thinking
POL 65100	Feminist Theory & Methodology
SOC 60200	Contemporary Theories

Research Competency

AGRY 59800	Systematic Reviews in Agriculture and Environment
AGRY 59800	R for Beginners in Agriculture
ANTH 60500	Seminar in Ethnographic Analysis
ANTH 64200	Public Engagement
COM 58200	Descriptive/Experimental Research in Communication
COM 58500	Qualitative Methods in Communication Research
COM 63200	Social Network Analysis
EDCI 56700	Action Research
EDCI 61500	Qualitative Research Methods in Education
EDCI 61600	Advanced Qualitative Research Methods in Education
EDPS 53100	Introduction to Measurement and Instrument Design
EDPS 53300	Introduction to Educational Research I: Methodology
EDPS 53400	Introduction to Educational Research II: Measurement Consideration
EDPS 55600	Introduction to Quantitative Data Analysis Methods in Education I
EDPS 55700	Introduction to Quantitative Data Analysis Methods in Education II
EDPS 63000	Research Procedures in Education
EDPS 63100	Applied Educational Research Design
EDPS 63500	Psychometric Theory and Application
EDPS 63600	Item Response Theory

FNR 58000	Research Methods for Natural Resource Social Science
HDSF 61300	Quantitative Methods I: Inferential Statistics and ANOVA
HDSF 61700	Quantitative Method II: Regression
POL 50100	Introduction to Political Methodology
POL 60500	Linear Models and Causal Inference
PSY 60500	Applied Multivariate Analysis
PSY 60601	ANOVA For the Behavioral Sciences
PSY 63100	Multiple Regression Analysis for The Behavioral Sciences
PSY 67400	Structural Equation Modeling
PSY 68100	Seminar in Research Methodologies of Industrial/Organizational Psychology
SOC 38200	Introduction to Statistics in Sociology (Master's only)
SOC 58000	Methods of Social Research I
SOC 58100	Methods of Social Research II
SOC 68000	Advanced Social Research Methods
STAT 50100	Experimental Statistics I
STAT 50200	Experimental Statistics II
STAT 50300	Statistical Methods for Biology
STAT 51100	Statistical Methods
STAT 51200	Applied Regression Analysis
TECH 69700	Qualitative Research Methods in Technology Studies

Other Foundational Courses in Agriculture, Food, and Natural Resources

AGEC 64000	Agricultural Development and Policy
ANSC 48500	Dairy Farm Evaluation