

AGRICULTURAL AND EXTENSION EDUCATION MAJOR

Code	Title	Credits
Degree Core Requirements		
ALS 1234	CALS First Year Seminar	1
ALCE 3004	Educational Programs in Agricultural and Life Sciences ⁺	3
LDRS 1414	Citizen Leadership ⁺	3
ALCE 3624	Communicating Ag and Life Sciences in Writing ⁺ *	3
ALCE 3634	Communicating Ag and Life Sciences in Speaking ⁺ *	3
ALCE 4034	Methods of Planning Education Programs for Agriculture ⁺ *	3
ALCE 4044	Agricultural Sciences Seminar ⁺ *	3
Subtotal		19
Major Requirements		
<i>Disciplinary Core Courses</i>		
ALCE 2964	Field Study ⁺	3
ALCE 4024	Managing Agricultural Supervised Occupational Experience Project ⁺	2
ALCE 4244	Teaching and Training Methods in Agricultural and Life Sciences ⁺ *	3
ALCE 4754	Internship in Education ⁺	3
ALCE 4064	Ag Mechanical Lab Management ⁺	3
ALCE 4234	Curriculum for Career and Occupational Education ⁺ *	3
ALCE 4884	Youth Program Management ⁺	3
EDCI 3144	Education of Exceptional Learners	3
ALCE 2094	Introduction to Metal Fabrication	1
ALCE 2484	Engine and Power Train Technology	3
Subtotal		27
<i>Controlled Electives</i> ^{1 2}		
Subtotal		9
Area of Specialization ³		
Subtotal		18
Free Electives ⁴		
Select a number of Free Electives sufficient to achieve 120 total credit hours.		
Pathways to General Education		
<i>Pathways Concept 1 - Discourse</i> 9		
ENGL 1105	First-Year Writing	
ENGL 1106	First-Year Writing	
ALCE/AINS 2414	Identity and Inclusion in Agricultural and Life Sciences ⁺ *	
<i>Pathways Concept 2 - Critical Thinking in the Humanities</i> 6		
Select 6 credits in Pathway 2 (https://catalog.vt.edu/course-search/?atrrs_pathways=atrrs_pathways_G02)		
<i>Pathways Concept 3 - Reasoning in the Social Sciences</i> 6		
AAEC 1005	Economics of the Food and Fiber System	
AAEC 1006	Economics of the Food and Fiber System	

<i>Pathways Concept 4 - Reasoning in the Natural Sciences</i> 8		
Select one of the following:		
BIOL 1105 & BIOL 1106 & BIOL 1115 & BIOL 1106 & BIOL 1116	Principles of Biology and Principles of Biology and Principles of Biology Laboratory and Principles of Biology and Principles of Biology Laboratory	
CHEM 1015 & CHEM 1025 & CHEM 1016 & CHEM 1026	Chemistry in Context and Introduction to Chemistry Laboratory and Chemistry in Context and Introduction to Chemistry Laboratory	
GEOS 1004 & GEOS 1104 & GEOS 1024 & GEOS 1124	Earth Science: Our Past, Present, and Future and Introduction to Earth Sciences Laboratory and Earth Resources, Society, and Environment and Earth Resources, Society and Environment Laboratory	
<i>Pathways Concept 5 - Quantitative and Computational Thinking</i> 9		
MATH 1014	Precalculus with Transcendental Functions	
STAT 2004	Introductory Statistics [*]	
Select 3 credits in Pathway 5a (https://catalog.vt.edu/course-search/?atrrs_pathways=atrrs_pathways_G05A)		
<i>Pathways Concept 6 - Critique and Practice in Design and the Arts</i> 6		
Select 3 credits in Pathway 6d (https://catalog.vt.edu/course-search/?atrrs_pathways=atrrs_pathways_G06D)		
Select 3 credits in Pathway 6a (https://catalog.vt.edu/course-search/?atrrs_pathways=atrrs_pathways_G06A)		
<i>Pathways Concept 7 - Critical Analysis of Identity and Equity in the United States</i> 3		
AINS/ALCE 2414	Identity and Inclusion in Agricultural and Life Sciences ⁺ *	
Subtotal		47
Total Credits		120

+ In-Major GPA: Indicates in-major courses for purposes of calculating in-major GPA.

* Prerequisites: Some courses listed on this checklist have prerequisites: please refer to the University Course Catalog or consult your advisor for information about prerequisites.

¹ Students seeking teacher licensure need to have three credit-hours in the following content areas in the College of Agriculture and Life Sciences or College of Natural Resources and Environment: 1) Agricultural Economics and Management (AAEC), 2) Animal Science (APSC, DASC), 3) Agricultural Mechanics (ALCE, BSE), 4) Forestry/Wildlife Management (FIW/FREC), 5) Horticulture (HORT), and 6) Plant Sciences (CSES).

² AGSC advisor must approve content area elective courses. The student must file a content area electives form with the Department of Agricultural, Leadership, and Community Education undergraduate office. Students must choose courses from the College of Agriculture and Life Sciences, Environmental Science (ENSC), Fisheries and Wildlife (FIW), Forestry (FREC).

³ AGSC advisor must approve area of specialization courses. The student must file an area of specialization form with the Department of Agricultural, Leadership, and Community Education undergraduate office. Students may either choose an approved minor to fulfill this requirement or complete at least 15 hours at the 3000 level or higher in the Colleges of Agriculture and Life Sciences or Natural Resources and Environment.

⁴ Students seeking teacher licensure must dual enroll in the Secondary Education, Agriculture (AGED) program in the School of Education at Virginia Tech.

Overall and In-Major GPA

Students must have an overall GPA of 2.0 or higher and an in-major GPA of 2.0 or higher to graduate.

Satisfactory Progress

By the end of the academic year in which the student has attempted 72 hours (including transfer, advanced placement, advanced standing and credit examination), "satisfactory progress" will consist of three criteria.

1. GPA of at least 2.0
2. At least 24 credits that apply to the University Core
3. 9 credits of departmental requirements.

Foreign Language Requirement

Requires 2 years of high school study in the same language (equivalent to 1105). Courses taken at Virginia Tech to complete the foreign language requirement will not count toward graduation.