

Virginia Polytechnic Institute and State University
Department of Agricultural, Leadership, & Community Education

Bachelor of Science in Agricultural Sciences

Major: Agricultural and Extension Education - Sample Plan of Study

Freshman Year

<u>Semester One</u>	<u>Hours</u>	<u>Semester Two</u>	<u>Hours</u>
ALS 1234 – CALS First Year Experience	1	AAEC 1006 – Economics of Food & Fiber Systems	3
AAEC 1005 – Economics Food & Fiber Systems	3	Concept 6D Elective	3
BIOL 1105 – Principles of Biology*	3	BIOL 1106 – Principles of Biology*	3
BIOL 1115 – Principles of Biology Laboratory*	1	BIOL 1116 – Principles of Biology Laboratory*	1
ENGL 1105 – First-Year Writing	3	ENGL 1106 – First-Year Writing	3
+LDRS 1414 – Exploring Citizen Leadership	3	MATH 1014 – Precalculus with Tran. Functions	3
Total Hours	14	Total Hours	16

* *Note.* Biology and Biology lab may be substituted with a Chemistry or Geology sequence of courses.

Sophomore Year

<u>Semester Three</u>	<u>Hours</u>	<u>Semester Four</u>	<u>Hours</u>
+ALCE 2414 – Identity and Inclusion in Agric.	3	+ALCE 3634 – Communicating Agric. in Speaking	3
Area of Specialization Course	3	Area of Specialization Course	3
Concept 2 Elective	3	+ALCE 3004 – Educ. Program Ag. & Life Sciences	3
Restricted Elective	3	+ALCE 2964 Field Study	3
STAT 2004 – Introductory Statistics	3	Restricted Elective	3
Total Hours	15	Total Hours	15

Junior Year

<u>Semester Five</u>	<u>Hours</u>	<u>Semester Six</u>	<u>Hours</u>
+ALCE 2484 – Engine and Power Train Technology	3	+ALCE 3624 – Communicating Agric. in Writing	3
+ALCE 4034 – Methods Planning Educ. Programs	3	+ALCE 4064 – Ag Mech Lab Management	3
Area of Specialization Course	3	+ALCE 4234 – Curriculum for Career & Occ Educ.	3
Concept 2 Elective	3	+ALCE 4024 – Managing Ag SOE Programs	2
Concept 5A Elective	3	+ALCE 2094 – Intro to Metal Fabrication Concept	1
		6A Elective	3
Total Hours	15	Total Hours	15

Senior Year

<u>Semester Seven</u>	<u>Hours</u>	<u>Semester Eight</u>	<u>Hours</u>
+ALCE 4884 – Youth Program Management	3	+ALCE 4044 – Agricultural Sciences Seminar	3
EDCI 3144 – Educating Exceptional Learners	3	+ALCE 4244 – Teaching and Training Methods	3
+Area of Specialization Course	3	+ALCE 4754 – Internship in Education	3
+ Area of Specialization Course	3	Area of Specialization Course	3
Restricted Elective	3	Free Elective	3
Total Hours	15	Total Hours	15

TOTAL ALL YEARS 120

Note. Check Transfer Guide <https://transferguide.registrar.vt.edu> for approved courses completed at community colleges.

+ **IN-MAJOR GPA:** Indicates in-major courses for purposes of calculating in-major GPA.

See ALCE advisor for more information to gain licensure for agricultural teacher certification.

Area of Specialization

Select 18 Academic-advisor approved Specialization credits: 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 College of Agriculture and Life Sciences or College of Natural Resources and Environment.