

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

Bachelor of Science in Agricultural Sciences

Option: Teaching and Learning in Agriculture - Sample Plan of Study

Freshman Year

<u>Semester One</u>		<u>Semester Two</u>	
	<u>Hours</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	+ALCE 3004 – Educ. Program Ag. & Life Sciences	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
MATH 1015 – Elementary Calculus with Trig.	3	STAT 2004 – Introductory Statistics	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>Semester Four</u>	
	<u>Hours</u>		<u>Hours</u>
+ALCE 3014 – Leadership Effective for Ag	3	+ALCE 3634 – Communicating Agric. in Speaking	3
+ALCE 3624 – Communicating Agric. in Writing	3	Ag Option-Restricted Elective	3
Area of Specialization Course	3	Ag Option-Restricted Elective	3
+LDRS 1015 – Exploring Citizen Leadership	3	Area of Specialization Course	3
Ag Option-Restricted Elective	3	CLE Area 2 Elective	3
Total Hours	15	Total Hours	15

Junior Year

<u>Semester Five</u>		<u>Semester Six</u>	
	<u>Hours</u>		<u>Hours</u>
+ALCE 4014 – Introduction to Coop Extension	3	+ALCE 4244 – Teaching Methods in Agriculture	3
Area of Specialization Course	3	Ag Option-Restricted Elective	3
BSE 2294 – Animal Structures and Environment	3	Area of Specialization Course	3
CLE Area 6 Elective	1	CLE Area 7 Elective	3
Free Elective	3	EDCI 3144 – Educating Exceptional Learners	3
+LDRS 2014, or +ALCE/LDRS 4054, or +ALCE/LDRS 4754, or +ALCE/LDRS 4994*	3		
Total Hours	16	Total Hours	15

* *Note.* Courses may also be completed in Summer II.

Senior Year

<u>Semester Seven</u>		<u>Semester Eight</u>	
	<u>Hours</u>		<u>Hours</u>
+ALCE 4024 – Managing Agricultural SAE Prog.	2	+ALCE 4044 – Agricultural Sciences Seminar	3
+ALCE 4034 – Methods Planning Educ. Programs	3	+ALCE 4884 – Youth Program Management	3
Ag Option-Restricted Elective	4	Area of Specialization Course	3
Area of Specialization Course	3	Free Elective	3
Free Elective	3	Free Elective	2
Total Hours	15	Total Hours	14

TOTAL ALL YEARS 120

Note. Check Transfer Guide for <http://www.tranguide.registrar.vt.edu/2016/by-major/agsc.html> for approved courses completed at community colleges.

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