



Production Agriculture

Semester Course Outline • 2026 – 2027

18 Months (4 Semesters) • Revised: 1/30/26

Associate of Applied Science (A.A.S.) Degree • Credits Required for Graduation: 72

First Year – Fall Semester

Course Number	Course Title	Clock Hours	Credits
AGR 127	Ag Accounting	45	3
AGR 128	Soil and Fertilizers	56	2
AGR 129	Intro to Agronomy	56	2
AGR 233	Commodity Marketing I	45	3
CSC 102	Window Applications for Technicians	45	3
<ul style="list-style-type: none"> Selected Communications Course (Choose one) CMST 101 – Foundations of Communication * (CSS 100 – Career Search Strategies .5 credit) COMM 101 – Communications and Career Strategies ENGL 101 – Composition * (CSS 100 – Career Search Strategies .5 credit) 		45	3
Choose one (1) of the following:			
AGR 110	Animal Science and Husbandry	56	2
AGR 121	Intro to Precision Ag	45	3
Total		348	18

Optional Courses Available		Clock Hours	Credits
CDL 100	Written Preparation	15	1
CDL 102	Behind the Wheel Training	84	3

First Year – Spring Semester

Course Number	Course Title	Clock Hours	Credits
AG 124	Ag Chemicals	56	2
AG 135	Farm Equipment Maintenance	56	2
AG 214	Ag Chemical Equipment	56	2
AGR 105	Ag Safety	28	1
AGR 156	Farm Financial Management I	45	3
AGR 169	Production Supervised Occupational Experience I	300	5
<ul style="list-style-type: none"> Selected Mathematics Course (Choose one) MATH 100 – Applied General Math MATH 101 – Intermediate Algebra MATH 114 – College Algebra * 		45	3
Total		586	18



Second Year – Fall Semester

Course Number	Course Title	Clock Hours	Credits
AG 205	Crop Harvest and Production	56	2
AGR 217	Electronic Components Troubleshooting	56	2
AGR 232	Farm Financial Management II	45	3
<ul style="list-style-type: none"> Selected Behavioral Science Course (Choose one) PSYC 100 – Psychology of Human Relations PSYC 101 – General Psychology * 		45	3
<ul style="list-style-type: none"> Selected Social Science Course (Choose one) ECON 105 – Leadership in the Global Workplace ECON 201 – Principles of Microeconomics * ECON 202 – Principles of Macroeconomics * SOC 100 – Introduction to Sociology * 		45	3
Choose two (2) of the following courses:			
AGR 120	Seed and Grain Technology	56	2
AGR 215	Advanced Fertilizers and Manure Management	45	3
AGR 272	Feedlot Management	45	3
AGR 279	Precision Ag Data Management	45	3
Total		348	18

Second Year – Spring Semester

Course Number	Course Title	Clock Hours	Credits
AG 213	Integrated Pest and Disease Management	45	3
AG 226	Commodity Marketing II	45	3
AGR 237	Business Law and Compliance	45	3
AGR 249	Production Supervised Occupational Experience II	300	5
AGR 266	Farm Construction and Repair	56	2
Choose one (1) of the following courses:			
AG 210	Livestock Pharmaceuticals	45	3
AG 212	Precision Mapping and VRT	45	3
AGR 261	Livestock Marketing and Evaluation	56	2
Total		547	18

Optional Course Available	Clock Hours	Credits
AGR 180 Artificial Insemination (AI) Certification	28	1

All optional courses not listed on your current program semester outline must be approved by your adviser and appropriately identified on the current semester outline of any Agriculture programs.

- Students will select a course in each of the areas listed to meet general education requirements. Courses marked with an asterisk (*) can be transferred directly to the university system. Students should speak with an advisor before doing so.
 Students who select to take transferable communications course CMST 101 or ENGL 101, must also register for CSS 100 – Career Search Strategies for .5 credit. This curriculum is required for all Lake Area Tech graduates and is included in the COMM 101 course but is separate from the university system.