

Required Courses

Bachelor of Digital Agriculture Degree

YEAR 4 | TERM 1

1	<p>AGT 4080 - Application of Data Management and Analytics</p> <p>Students will apply their learning of statistics and data analytics to a specific digital agriculture context.</p> <p><i>Pre-req: AGT 1080 - Data Management and Analytics (or similar transfer course), and Pre-req: COM 2100 - Applied Composition (or similar transfer course), and Pre-req: AGT 2110 - Automation in Digital Agriculture</i></p>
2	<p>AGT 4000 - Disruptive Technology in Agriculture Business</p> <p>Students will understand the term Disruptive Technology as a concept and apply this theory to the connectedness of agriculture. Students will analyze and evaluate how current disruptive technologies influence agricultural systems and product development from innovative design iterations through to alternative organizational structures.</p>
3	<p>COM 4000 - Negotiation and Dispute Resolution</p> <p>Students will demonstrate ability in making customers and their needs a primary focus. Emphasis will be placed upon developing and sustaining productive customer relationships in authentic contexts. Students will demonstrate refined personal and professional communication and leadership skills exemplifying ethical negotiation skills.</p>
4	<p>AGT 4100 - Digital Strategy for Smart Farm Integration</p> <p>Students will engage in risk analysis and management, developing a pattern of thinking appropriate for today's complex world. This activity will help students learn to recognize, understand, and analyze hazards and risks in modern complex knowledge of agriculture systems that can be applied to the Olds College Smart Farm or capstone project.</p>
5	<p>Elective - Complete one of the following:</p> <p>AGI 1000 - Introduction to Contemporary Issues in Agriculture AGS 2150 - Social Science Fundamentals AMT 1335 - Agribusiness Accounting PLS 2410 - Native Plants of Alberta BDA 2150 - Student-led Independent Study AGF 4000 - Genetics of Commercial Crop Performance</p>

YEAR 4 | TERM 2

1	<p>BDA 4500 - Capstone Project and Program Synthesis and Reflection</p> <p>Students will participate in a self-directed, team-based project to identify a problem, synthesize skills and knowledge to develop solutions, and communicate results. Students will refine their critical thinking, design thinking, leadership and project management skills in preparation for entry into Industry.</p> <p><i>NOTE: This is a project-based course in which a faculty mentor is assigned to student teams. Students are required to present their final work to other students.</i></p>
2	<p>AGI 4000 - Ethical, Legal and Social Issues in Agriculture Business</p> <p>Students will develop an understanding of business challenges in the technology, legal, and regulatory sectors. Additionally, students will be introduced to concepts related to business ethics, social responsibility, Indigenous perspectives, and international business to prepare them for diverse leadership roles. Emphasis will be on examination of these concepts through an entrepreneurial lens.</p>
3	<p>AGT 4200 - Response to Future and Emerging Technologies</p> <p>In alignment with the capstone project, students will employ a decision making framework that considers future trends in technology. Students will identify where disruptive technology will impact the agricultural industry within their project. Students will apply exponential thinking skills developed throughout the program to propose supported projections and actionable recommendations regarding project outcomes.</p>
4	<p>Elective - Complete one of the following:</p> <p>AGI 1000 - Introduction to Contemporary Issues in Agriculture AGS 2150 - Social Science Fundamentals AGN 1540 - Introductory Pest Management BDA2150 - Student-led Independent Study AGF 4000 - Genetics of Commercial Crop Performance</p>