

Agriculture Technology Curriculum – Robotics and Intelligence Specialization

Agriculture Technology – Robotics and Intelligence Specialization					
Course	Description	Credit Hours	Lecture Hours	Lab Hours	Field Experience Hours
Year 1 Semester 1					
SDE 1010	First Year Experience	1	1	0	0
COM 1110	English Composition	3	3	0	0
AGR 1000	Introduction to Agriculture	3	3	0	0
AGR 1100	Principles of Agricultural Business Management	3	3	0	0
AGR 1300	Principles of Agricultural Marketing and Sales	3	3	0	0
AGR 1200	Sustainable Agriculture	3	3	0	0
Semester Total		16	16	0	0
Year 1 Semester 2					
CHM 1110	Introductory General Chemistry	4	3	2	0
AGR 1401	Introduction to Soils of Agronomic Production	3	2	2	0
AGR 1402	Principles of Crop Management	3	3	0	0
AGR 1403	Principles of Nutrient Management	3	3	0	0
AGR 1404	Introduction to Integrated Pest Management	3	3	0	0
Semester Total		16	14	4	0
Year 2 Semester 3					
MTH 1370	College Algebra	4	4	0	0
MET 2310	Fluid Power	3	2	2	0
AMT 1070	Basic Electricity and Electronics	3	2	2	0
AMT 2030	Programmable Logic Controllers	3	2	2	0
AGR 1500	Precision Agriculture Equipment	3	1	4	0
Semester Total		16	11	10	0
Year 2 Semester 4					
BIO 1310	Environmental Science I	3	3	0	0
ECN 1430	Micro Economics	3	3	0	0
FMS 2110	Basic Robotics and Mechanatronics	3	2	2	0
AMT 2050	Robot Maintenance	3	2	3	0
AGR 1600	Introduction to Artificial Intelligence in Agriculture	3	2	2	0
AGR 2991	Field Experience	1	0	0	7
AGR 2970	Agriculture Technology Capstone	1	1	0	0
Semester Total		17	13	7	7
		65 hours	54	21	7