

Programme Name	Diploma in Engineering (Agricultural)
Programme Description	The Diploma in Engineering (Agricultural) consists of 5 semesters, Courses that will be covered in Year 1 are common. There will be a total of 5 courses per Semester and three Elective/Majors, students can only select one Major.
Majors	Agricultural Engineering
Minimum Requirements	Pass in Year 12 with 200 out of 400 marks with 50% minimum marks in English, Mathematics, Physics/ Technical Drawing/Applied Technology /Chemistry, and 1 other science or Technology subject or Completion of Certificate IV programme.
Duration	3 years
Programme Type	Diploma
College Name	College of Engineering Science & Technology
Campus	Derrick Campus
Credit Points	360

Programme		
Course Code	Course Title	Credit Points
	Year 1 Semester 1	
COM402	Technical Communication for Engineers	12
MTH410	Engineering Mathematics I	12
MCD517	Applications of Material Science	12
MCD518	Engineering Graphics	12
CSD410	Introduction to Computer Applications	12
	Year 1 Semester 2	
MTH519	Engineering Mathematics II	12
MCD521	Applied Mechanics :Statics	12
MCD523	Engineering Workshop Practice	12
EED460	Electrical and Electronics for Engineering Technologists	12
MCD522	Applied Thermodynamics	12
	Year 2 Semester 1	
MCD531	3D Solid Modeling and Analysis	12
AGE566	Agriculture for Engineers	12
AGE565	Farm Surveying & Leveling	12
MCD535	Mechanical Workshop Practice	12
AGE567	Soil Water Resource Engineering	12
	Year 2 Semester 2	
AGE665	Farm Machinery and Implement	12

AGE671	Agricultural Metrology and Hydrology	12
AGE668	Farm Tractor and Power	12
AGE681	Agricultural Engineering Project i	12
PED 601	Engineering Project Management	12
	Year 3 Semester 1	
AGE678	Drainage & Irrigation Engineering	12
AGE675	Post-harvest Technology	12
AGE 667	Rural Development, Extension & Technology Transfer	12
PED602	Engineering Capstone Project	12
AGEXXX	ELECTIVES	12
	Electives Courses	
AGE693	Peri-Urban Agricultural Management	12
AGE669	Farm Structures & Building	12
AGE691	Precision Agriculture	12
PED 600	WORK PLACE ATTACHMENT	60
	Total Credit Points	

Course		
Course Code	Course Title	Prerequisite
COM402	Technical Communication for Engineers	MER
MTH410	Engineering Mathematics I	MER
MCD511	Applications of Material Science	MER
MCD512	Engineering Graphics	MER
CSD410	Introduction to Computer Applications	MER
MTH519	Engineering Mathematics II	MTH410
MCD521	Applied Mechanics :Statics	MER
MCD523	Engineering Workshop Practice	MER
EED460	Electrical and Electronics for Engineering Technologists	MER
MCD522	Applied Thermodynamics	MER
MCD531	3D Solid Modeling and Analysis	MCD512
AGE566	Agriculture for Engineers	MER
AGE565	Farm Surveying & Leveling	MER
MCD535	Mechanical Workshop Practice	MCD523
AGE567	Soil Water Resource Engineering	MER
AGE665	Farm Machinery and Implement	MCD 523
AGE671	Agricultural Metrology and Hydrology	AGE566
AGE668	Farm Tractor and Power	MCD535
AGE681	Agricultural Engineering Project i	AGE566
PED 601	Engineering Project Management	MCD 522
AGE678	Drainage & Irrigation Engineering	AGE567
AGE675	Post-harvest Technology	MCD535

AGE 667	Rural Development, Extension & Technology Transfer	AGE566
PED602	Engineering Capstone Project	AGE681
AGEXXX	ELECTIVES	
	ELECTIVES	
AGE693	Peri-Urban Agricultural Management	AGE566
AGE 669	Farm Structures & Building	MCD531
AGE691	Precision Agriculture	AGE566