

Programme Name	Diploma in Automotive Engineering
Programme Description	<p>Diploma in Automotive Engineering is a 3 years long Diploma programme and it follows the semester system of learning. Each academic year is divided into two semesters, with each semester lasting for a period of 6 months.</p> <p>After passing Form 6 or a Certificate IV in Automotive Engineering, students are eligible to pursue this programme. Diploma in Automotive Engineering programme trains students in areas such as - automobile design, vehicle engineering, electrical and electronic systems used in vehicles, braking, aerodynamics, material science, engines, hybrid vehicles, fuels and lubricants etc.</p> <p>Automobile industry focuses on designing, manufacturing, developing, inspecting and testing motor vehicles and parts. An automotive engineer is a person who has been trained to take on various jobs in automobile industry, such as- designing, developing, inspecting, manufacturing and testing motor vehicles and their parts. They are also capable of carrying out diagnostic work (problem finding) and carrying out repair works if necessary.</p> <p>The courses in the programme have both theoretical studies and practical sessions associated with them. In the last semester (6th semester), an Industrial Attachment of six months is involved with the aim of giving hands on experience in an industrial scenario to students.</p>
Majors	Automotive 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 in Engineering (Full Time)
College Name	College of Engineering, Science and Technology
Campus	Derrick
Credit Points	360

Programme Structure		
Course Code	Course Title	Credit Points
Year 1 Semester 1		
COM402	Technical Communication for Engineers	12
MTH410	Engineering Mathematics - I	12
DAU401	Mechanical Sciences in Automotive Engineering	12
DAU402	Engineering Graphics with Software Application	12
DAU403	Workshop Ethical Practices and OHS	12
Year 1 Semester 2		
MTH519	Engineering Mathematics - II	12
DAU404	Strength of Automotive Materials	12
DAU501	Applied Thermodynamics and Heat Transfer	12
DAU502	Automotive Engine Technology	12
DAU503	Automotive Electrical and Electronics	12
Year 2 Semester 1		
DAU504	Automotive Fluid Mechanics	12
DAU505	Quality Assurance and Industrial Management	12
DAU506	Automotive Chassis	12
DAU507	Automotive Transmission	12
DAU508	Instrumentations & Measurement in Automotive Engineering	12
Year 2 Semester 2		
DAU605	Elective - I	12
DAU601	Vehicle Safety and Comfort Technology	12
DAU602	Vehicle Body Engineering & Hydraulics	12
DAU603	Alternative Propulsion & Pollution Control Technology	12
DAU604	Automotive Project - I	12
Year 3 Semester 1		
DAU610	Vehicle Testing and Fault Diagnosis	12
DAU606	Vehicle Component Design	12
DAU607	Autotronics and Informatics	12
DAU608	Hybrid Vehicle Technology	12
DAU609	Automotive Capstone Project	12
Year 3 Semester 2		
IAA600	Industrial Attachment	60
Electives		
DAU605	Automotive Production Technology	12
DAU611	Mechanics of Road Vehicle	12
DAU612	Workshop Management and Transport Legislations	12
Total Credit Points		360

Course Prerequisite		
Course Code	Course Title	Prerequisite
COM402	Technical Communication for Engineers	MER
MTH410	Engineering Mathematics - I	MER
DAU401	Mechanical Sciences in Automotive Engineering	MER
DAU402	Engineering Graphics with Software Application	MER
DAU403	Workshop Ethical Practices and OHS	MER
MTH519	Engineering Mathematics - II	MTH410
DAU404	Strength of Automotive Materials	DAU401
DAU501	Applied Thermodynamics and Heat Transfer	DAU401
DAU502	Automotive Engine Technology	DAU401
DAU503	Automotive Electrical and Electronics	DAU402
DAU504	Automotive Fluid Mechanics	DAU401
DAU505	Quality Assurance and Industrial Management	DAU403
DAU506	Automotive Chassis	DAU502
DAU507	Automotive Transmission	DAU502
DAU508	Instrumentations & Measurement in Automotive Engineering	DAU503

DAU605	Elective - I	
DAU601	Vehicle Safety and Comfort Technology	DAU506
DAU602	Vehicle Body Engineering & Hydraulics	DAU506
DAU603	Alternative Propulsion & Pollution Control Technology	DAU506
DAU604	Automotive Project - I	DAU507
DAU610	Vehicle Testing and Fault Diagnosis	DAU601
DAU606	Vehicle Component Design	DAU602
DAU607	Autotronics and Informatics	DAU603
DAU608	Hybrid Vehicle Technology	DAU603
DAU609	Automotive Capstone Project	DAU604
IAA600	Industrial Attachment	Completion of Semester 4
	Electives	
DAU605	Automotive Production Technology	DAU501
DAU611	Mechanics of Road Vehicle	DAU506
DAU612	Workshop Management and Transport Legislations	DAU505