



Subject Combinations per Field of Study

N1	Fitter and Turner	Electrician	Millwright	Motor Mechanic	Diesel Mechanic
	Mathematics Engineering Science Fitting and Machining Theory Engineering Drawing	Mathematics Engineering Science Electrical Trade Theory Industrial Electronics	Mathematics Engineering Science Fitting and Machining Theory Electrical Trade Theory Engineering Drawing	Mathematics Engineering Science Motor Trade Theory Industrial Electronics Engineering Drawing	Mathematics Engineering Science Motor Trade Theory Industrial Electronics Engineering Drawing
N2	Fitter and Turner	Electrician	Millwright	Motor / Diesel Mechanic	Motor / Diesel Mechanic
	Mathematics Engineering Science Fitting and Machining Theory Engineering Drawing	Mathematics Engineering Science Electrical Trade Theory Industrial Electronics	Mathematics Engineering Science Fitting and Machining Theory Electrical Trade Theory Engineering Drawing	Mathematics Engineering Science Motor /Diesel Trade Theory Industrial Electronics Engineering Drawing	Mathematics Engineering Science Motor /Diesel Trade Theory Industrial Electronics Engineering Drawing
N3	Fitter and Turner	Electrician	Millwright	Motor Mechanic	Diesel Mechanic
	Mathematics Engineering Science Mechanotechnology Engineering Drawing	Mathematics Engineering Science Electrotechnology Industrial Electronics	Mathematics Engineering Science Mechanotechnology Electrotechnology Engineering Drawing	Mathematics Engineering Science Motor Trade Theory Industrial Electronics Engineering Drawing	Mathematics Engineering Science Diesel Trade Theory Industrial Electronics Engineering Drawing

N1	Auto Electrician	Welding	Boiler Maker	Rigging
	Mathematics Engineering Science Motor Electrical Trade Theory Industrial Electronics	Mathematics Engineering Science Plating and Structural Steel Drawing Metalworkers Theory	Mathematics Engineering Science Plating and Structural Steel Drawing Metalworkers Theory	Mathematics Engineering Science Engineering Drawing Rigging Theory

N2	Auto Electrician	Welding	Boiler Maker	Rigging
	Mathematics Engineering Science Motor Electrical Trade Theory Industrial Electronics	Mathematics Engineering Science Plating and Structural Steel Drawing Welders Theory	Mathematics Engineering Science Plating and Structural Steel Drawing Platers Theory	Mathematics Engineering Science Engineering Drawing Rigging Theory

N3	Auto Electrician	Welding	Boiler Maker	Rigging
	Mathematics Engineering Science Motor Electrical Trade Theory Industrial Electronics	Mathematics Engineering Science Plating and Structural Steel Drawing Mechanotechnology	Mathematics Engineering Science Plating and Structural Steel Drawing Mechanotechnology	Mathematics Engineering Science Engineering Drawing Mechanotechnology

N4	Mechanical Field	Electrical Field	Civil Engineering
	Mathematics Engineering Science Mechanical Draughting Mechanotechnics Supervisory Management (Choice subject)	Mathematics Engineering Science Electrotechnics Industrial Electronics Supervisory Management (Choice subject)	Mathematics Building Administration Quantity Surveying Building Construction Building and Structural Surveying

N5	Mechanical Field	Electrical Field	Civil Engineering
	Mathematics Mechanotechnics Strength of Materials Mechanical Drawing and Design Power Machines (Choice subject) Fluid Mechanics (Choice Subject) Supervisory Management (Choice subject)	Mathematics Electrotechnics Industrial Electronics Power Machines Supervisory Management (Choice Subject)	Mathematics Building Administration Quantity Surveying Building Construction Building and Structural Surveying

N6	Mechanical Field	Electrical Field	Civil Engineering
	Mathematics Mechanotechnics Strength of Materials Mechanical Drawing and Design Fluid Mechanics (Choice Subject) Power Machines (Choice subject) Supervisory Management (Choice Subject)	Mathematics Electrotechnics Industrial Electronics Power Machines Supervisory Management (Choice Subject)	Mathematics Building Administration Quantity Surveying Building Construction Building and Structural Surveying

GCC : MECHANICAL AND ELECTRICAL ENGINEERING

Engineering Drawing	(M) (E)	N3
Engineering Science	(M) (E)	N4
Industrial Electronics	(M)	N4
Mathematics	(M) (E)	N4
Fluid Mechanics	(M)	N5
Strength of Materials	(E)	N5
Electrotechnics	(M)	N5
Control Systems	(M) (E)	N6
Mechanotechnics	(M) (E)	N6
Power Machines	(M) (E)	N6
Strenght of Materials	(M)	N6
Fluid Mechanics	(M)	N6
Industrial Electronics	(E)	N6
Electrotechnics	(E)	N6
Supervisory Management	(M) (E)	N6

CONVERSION COURSE

To enable holders of the Mechanical Certificate of Competency or vice versa:

Electrotechnics	(M)	N6
Industrial Electronics	(M)	N6
Strenght of Materials	(E)	N6
Fluid Mechanics	(E)	N6

(M) - Mechanical Engineering

(E) - Electrical Engineering

The subjects shown are only the highest levels to be attained. All the grades leading to that level must also be attained with a 50% pass mark (e.g. Electrotechnics N6 includes a pass in this subject on the N3, N4 and N5 levels).