



Basic Electrical Training Syllabus

This course is intended for individuals whose formal training is not in the field of electronics. Electrical controls and electronics are incorporated in almost every technical activity and all technical personnel have to deal, at least to some extent, with some aspects of electrical engineering. A basic understanding of electronics is essential to better perform your main function.

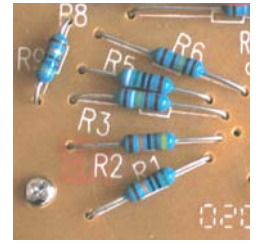
It is not an in-depth electronics course but rather a course aimed at the technicians who require an understanding of basic principals, without the assumption of any prior knowledge of the topic. The course is fast paced and as non-mathematical as possible.

This 5 day course focuses on teaching students a basic understanding of electrical terminology and the basics of electrical theory. We promise not to get much heavier than Ohm's law. The students will also be introduced to basic schematics, multimeters and basic series/parallel circuits. There is some practical hands on with this basic electrical course.

Flightline Training Services

Tel.: (416) 579-5013 • Fax: (905) 456-8017 • E-mail: phyl@flightlinetraining.com

P.O. Box 92600, 160 Main St. S, Brampton, Ontario L6W 4R1

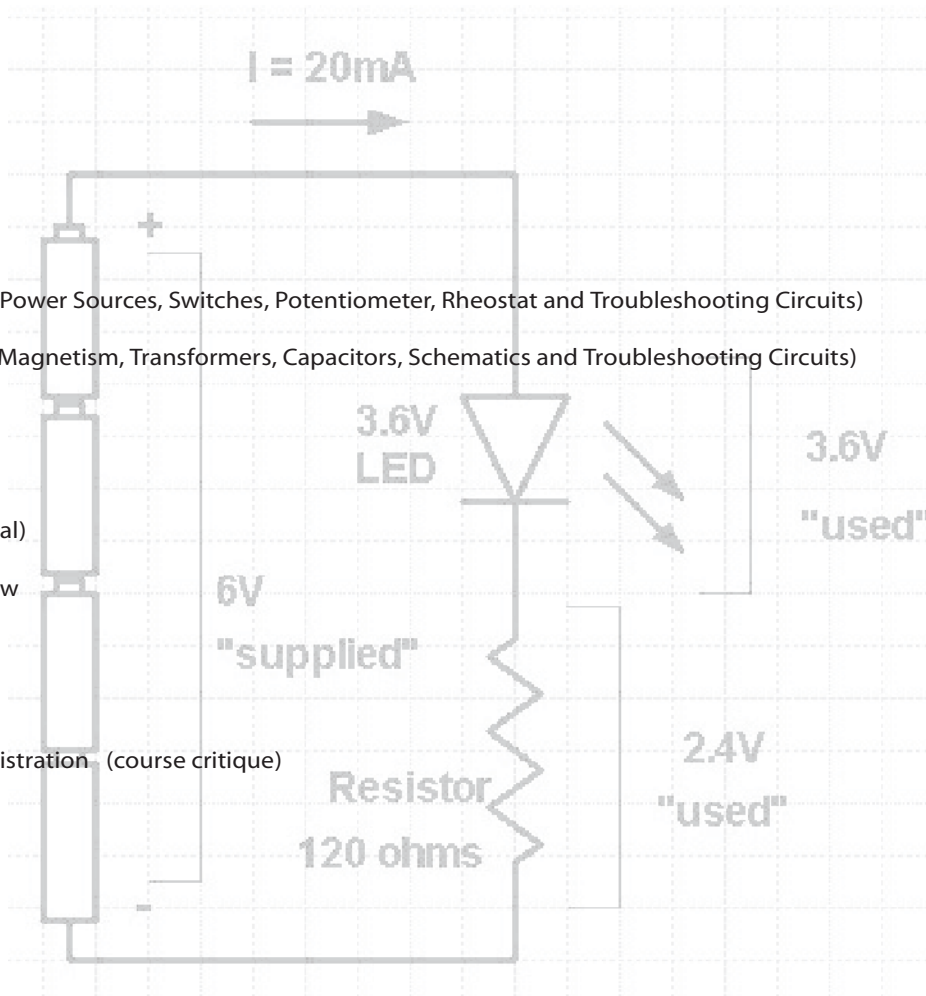


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Pre - requisite: Licensed AME / Equivalent or
Have completed a basic mechanics course (Apprentice)

Pass Mark: 70 %

TOPIC		HOURS
Introduction		0.5
Electrical Terminology		2
Electrical Theory		3
Ohm's Law		0.5
Exercise / Review		2
DC Fundamentals	(Power Sources, Switches, Potentiometer, Rheostat and Troubleshooting Circuits)	7
AC Fundamentals	(Magnetism, Transformers, Capacitors, Schematics and Troubleshooting Circuits)	7
Series Circuits		1
Parallel Circuits		1
Multimeter usage (Practical)		2
Exercise / Practical / Review		3
General Review / Exam		3
Practical Exam		1
Review Exams and Administration (course critique)		3
<u>Total</u>		36



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