

Target group	Everyone who works with or will work with control systems.
Preliminary training	Preferably Basic Measuring Engineering or equivalent.
Course content	<ul style="list-style-type: none">- The structure of a single-input-single-output (SISO) control system (process, transmitter, regulator and corrective element)- The structure of a multi-input-multi-output (MIMO) control system (cascade, ratio, split range etc.)- Reading an instrumentation diagram- Symbols and letter codes- Process characteristics- The operation of P, PI and PID controllers- Control algorithms used by a controller- The concepts PB, bias, reset time, anti-reset wind-up, rate time, set-point tracking, etc.- Configuring the control of various processes based on process simulation models and control circuits constructed using industrial components- Manufacturer's configuration specifications- A controller's auto-tuning option- Configuring a digital controller using a PC- Regulating valves (position regulator, valve characteristics, valve selection, leak class, etc.)- Control system malfunctions
Duration	14 evenings from 17:15–21:15. 6 evenings of theory and 8 evenings of practical training.
Course tuition fee	€1,500 per person (ex. VAT), incl. hot evening meal.
Starting date	In principle, starts in September every school year.
Course completion	Every year the course concludes with a certification in which every participant receives a certificate.
Particulars	The courses have been developed by STC B.V. in collaboration with the business community and are accredited by national organisations.
Information	STC B.V. Kerkhoekstraat 1, 3232 AE Brielle Tel. 0181-412799 Fax: 0181-418473 E-mail: Es@stc-r.nl www.stc-r.nl