

## Course Description – Summer 2022

<b>Title</b>	Electronic Control Systems
<b>Faculty</b>	Electrical Engineering
<b>Professor</b>	Prof. Dr. Maria Schweigel
<b>ECTS</b>	5
<b>Level</b>	Bachelor
<b>Requirements</b>	Course is limited to 25 students!
<b>Add. Information</b>	<a href="https://www.hs-schmalkalden.de/hochschule/fakultaeten/fakultaet-elektrotechnik/internationales-f-et/international-students.html">https://www.hs-schmalkalden.de/hochschule/fakultaeten/fakultaet-elektrotechnik/internationales-f-et/international-students.html</a>
<b>Content</b>	The practical lesson teaches the basics of G programming in LabView a system development environment for control electronic systems. In an introduction the development environment and the data flow controlled programming language G will be explained. By exercises the students learn to program small till middle sized LabView Vis(programs) by their own. Here basis programming knowledge like logic, arithmetical and other operators as well as data types, global and local variables, constants, loops, conditions, enumerations, type conversation and subprograms were teach in application on G programs.