

# Microcontroller Programming

## Student Group

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## Table of Contents

- Microcontroller** ..... 2
  - Introduction and Context*** ..... 2
  - Links to the Lecture*** ..... 2
  - Further Links*** ..... 3
    - C Programming ..... 3
    - Embedded Systems Engineering and Hardware/Software Co-Design ..... 3
    - Miscellaneous ..... 3



Topic	Description	Language
Tutorial	The AVR itself also provides a good introduction to C programming on the AVR platform as a <a href="#">video</a> and as <a href="#">textual Developer Help</a>	English
Datasheet	The <a href="#">data sheet</a> of the ATmega88 is also a good reference work	English
Datasheet	The data sheet of the ATmega88 has also been translated into German: <a href="#">Online data sheet ATmega88</a>	English
C Support	A <a href="#">calculator for interrupt timers and prescalers</a>	English
C Support	<a href="#">Documentation of the AVR compiler libraries</a> (e.g. stdlib)	English

## Further Links

### C Programming

- Nice online [open source book](#) for learning the C programming language
- [C Code Reference Card](#) ("C cheatsheet")

### Embedded Systems Engineering and Hardware/Software Co-Design

- [Embedded Systems Engineering Handbook](#) from TU Clausthal / FH Nordhausen: very detailed and in-depth book
- The book [Practical UML Statecharts in C/C++, 2nd Edition: Event-Driven Programming for Embedded Systems](#) is also suitable as a detailed reference work  
[Chinese translation](#)

### Miscellaneous

- [Table of ASCII characters](#)
- [Assembly instructions for the Mexle AVR programmer](#)

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