

Panel Statement

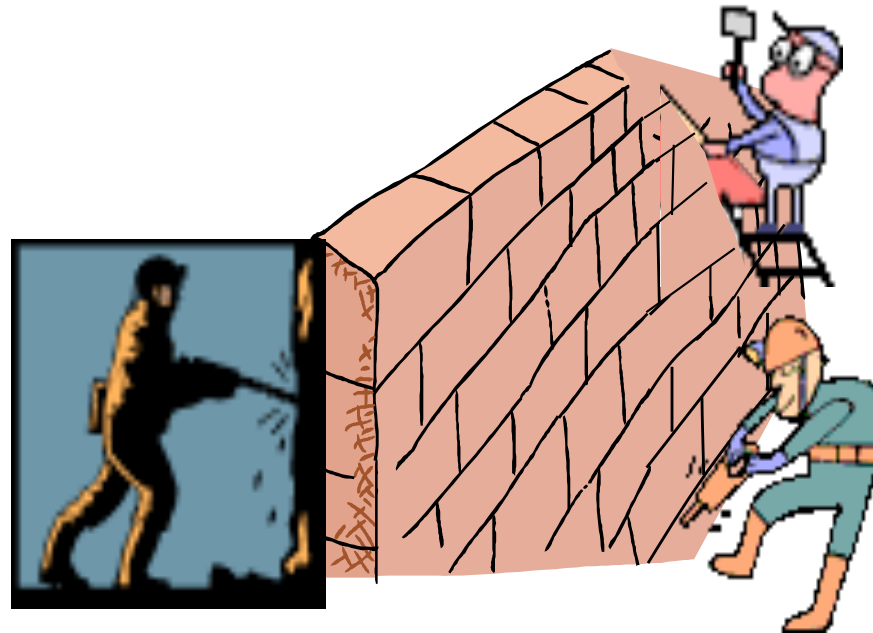
Peter Marwedel

**It is not sufficient to consider ES
just as a special case of software engineering**

**EE knowledge must be available,
Walls between EE and CS must be torn down**

CS

EE



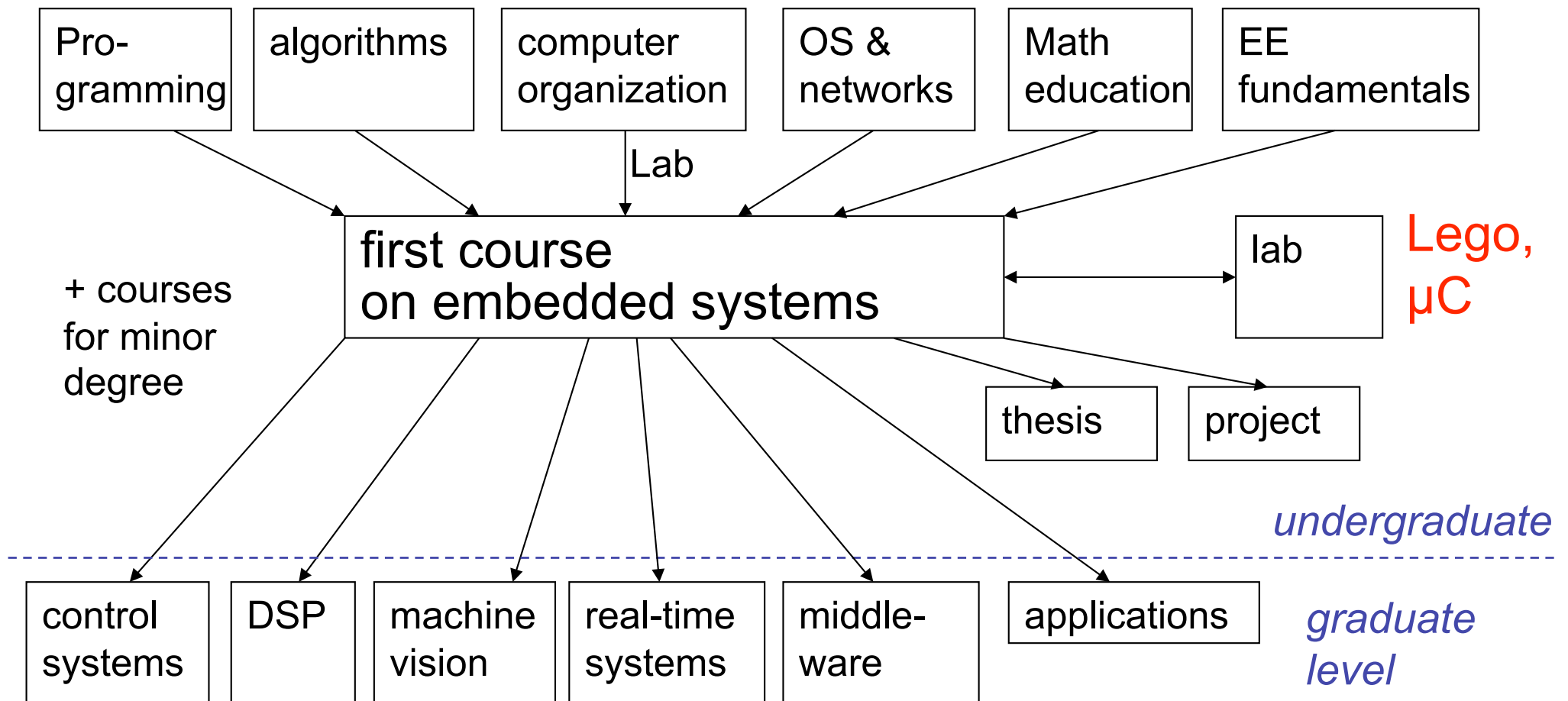
Bachelor CS Dortmund

Input level	High school	Bachelor	Master	Practitioner
Target degree	Bachelor	Master	PhD	Certificate
Educational approach	Classroom only	Classroom + lab	Lab	Project-based
Degree area	CS	ES	EE	Applications
Focus				

ES Education at Dortmund

(Why not more programs like this?)

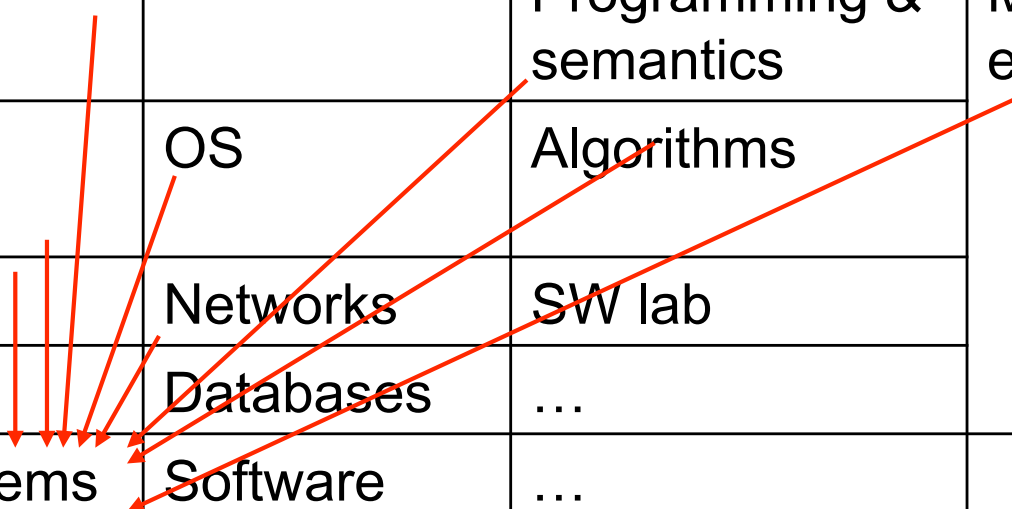
- Integrated as a special direction into CS curriculum



Structure of the CS curriculum at Dortmund

- 3 year bachelor program -

Term				
1	Computer organization		Programming & semantics	Math education
2	Circuits & communication	OS	Algorithms	
3	HW lab	Networks	SW lab	
4		Databases	...	
5	Embedded systems fundamentals	Software engineering	...	
6	Bachelor project + Thesis	



All dependences met