

HAN University of applied sciences - Academie Engineering en Automotive
 Embedded Systems Engineering FT - 2024-2025 (Engelstalig) ¹⁾

ISBN nummer	Books Titel	Author	Edition	Price ¹⁾	1st year S1	1st year S2	2nd year S3	2nd year S4	3rd year S5	3rd year S6 ²⁾	4rd year S7 EVML	4rd year S8	Note: ³⁾
					S1 = Semester 1 = September - February, S2 = Semester 2 - February - July.								
9780262042642	Circuit design and simulation with VHDL	Pedroni, V.A.	3	€ 84,95	C		C						
9781292014388 or 9781292014395	Data and Computer Communications, International Edition, B-Book Data and Computer Communications, International Edition, E-book	Stallings, W.	10	€ 108,90 € 58,84			C				See below.		Choose between B-book or E-book.
978129223124 or 9781292223209	Electrical Engineering: Principles & Applications, Global Edition, B-Book Electrical Engineering: Principles & Applications, Global Edition, E-book	Hambley, A.	7	€ 108,90 € 49,99	C	C							Choose between B-book or E-book.
9783642034459	Feedback and Control for Everyone	Albertos, Pedro	1	€ 55,95			C						
9990002072178	Engineering Methods Pack - card set		1	€ 4,95	C	C	C	C					Purchase at the Campus Store.
9780471976318	Introductory digital signal processing with computer applications	Lynn, P.A. Fuerst, W. Thomas, B.	2	€ 75,00				C		C			
	Projectmanagement - a practical approach	Grit, R.			O	O	O	O	O				Purchase in consultation with teacher.
9789001812591	Report writing for readers with little time	Elling, R., Andeweg, B., Swankhuizen, C.	1	€ 73,95	C								

C = compulsory / R = recommended / O = optional

Minor EVML

9788776815417	Digital Image Processing, Part I, e-book	Huiyu Zhou, Jiahua Wu, Jianguo Zhang (2010)									C		Purchase via teacher.
9788776815424	Digital Image Processing, Part II, e-book	Huiyu Zhou, Jiahua Wu, Jianguo Zhang (2010)									C		Purchase via teacher.
9781492032649	Hands-On Machine Learning with Scikit-Learn, Keras and TensorFlow	O'Reilly Media Inc.	2								O		Purchase in consultation with teacher.
9781491937990	Learning OpenCV 3 "Computer Vision in C++ with the OpenCV Library"	Gary R. Bradski	1	€ 89,95							C		
Download	Qt Creator	via school		-							x		
Download	Matlab	via school		-							x		
Download	Open CV	via school									x		
Download	Python3										x		
Download	STM32CubeIDE										x		
Download	RaspberryPi (version 3B+ or higher)	via ARLE	aprox.	€ 110,00							x		For minor EVML Raspberry 3+ or allowed.
Download	Scikit-learn, Keras and TensorFlow										x		

C = compulsory / R = recommended / O = optional

Software en algemeen:

Download	Advanced C	Onokiewicz, J.		-		x							
Download	An IDE suitable for rapid prototyping	via teacher/school		-	x								
Download	An IDE for programming and debugging the microcontroller application	via teacher/school			x	x							
	Calculator Casio fx-991CW			€ 30,00	x	x	x	x	x	x	x	x	The fx-991CW is the successor to the fx-991EX
Download	Qt Creator	via teacher/school		-	x	x							
Download	KiCAD - public/educational version	via teacher/school		-		x							
Download	EE-sim OASIS	via teacher/school		-		x							
	DMM RS Pro multimeter	via teacher/school		n.t.b.	x	x							
	Laptop				x	x	x	x	x	x	x	x	Laptop specificaties - Praktische informatie over de studie Embedded Systems Engineering (han.nl)
Download	Linux Ubuntu (Virtual Box)	via teacher/school		-		x							
	Microcontroller development board	via teacher/school		€ 25,00	x								
	Microsoft Office met o.a. Word, Excel en Powerpoint v	Via Surfspot			x	x	x	x	x	x	x	x	
	Online licentie www.vaardigcommunicerenindetechniek.nl - incl. online boek & TrainTool (2 jaar), ISBN 3009010005781	Licentie moet worden aangeschaft via Boom.nl, via de volgende URL: https://eur01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.boomhogeronder.wijs.nl%2Fproduct%2F100-10160_Vaardig-communiceren-in-de-Techniek-1e-druk-incl-TrainTool&data				x							
	SOWISO - Licence for digital learning environment for mathematics.	via teacher/school		€ 50,00	x	x							
	RaspberryPi 4, SenseHAT, 2x16GB SD-cards class 10, Adapter, PiCave, 2 netwerkkabels	via teacher/school		€ 110,00						x			
	Traintool	via HAN-webshop		ca. € 20,-	x	x	x						
	Terasic Technologies DE10-Lite Board	via teacher/school		€ 120,00	x								

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¹⁾ Price changes and typing errors reserved

²⁾ S6 / PLC: Within the PLC, the students decide which literature they need together with the senior engineer and expert. They also decide together which learning material is needed to carry out the project/research. The expert monitors the level of the literature and learning material.

³⁾ In this column, you will find additional information on how/where to purchase the books. You are free to purchase the books from any bookstore/site or from Studiewinkel. Below, per semester, are the links to Studiewinkel's site.

First year, semester 1 and 2:

Second year, semester 3 and 4:

<https://studiewinkel.nl/lists/jwF1thKu/Embedded-Systems-Engineering-English-Fulltime-Year-1-Semester-1-and-2>

<https://studiewinkel.nl/lists/T69fMvL-/Embedded-Systems-Engineering-English-Fulltime-Year-2-Semester-3-and-4>