

**HAN University of Applied Sciences - School of Engineering and Automotive**  
**Bachelor Mechanical Engineering - Literature list and other study resources - 2024-2025 academic year 1)**

ISBN number	Compulsory literature Title	Author	Edition	Price <sup>1)</sup>	1st Year S1	1st Year S2	2nd Year S3	2nd Year S4	3rd Year S5	3rd Year S6 <sup>2)</sup>	4th Year S7	4th Year S8	Remarks <sup>3)</sup>
S1 = Semester 1 = September - February, S2 = Semester 2 = Februari - July.													
9789001888077	Design Handbook, a methodical framework, e-book	Zeiler, W.	1	€ 61,94	C	C							Option: purchase ebook via studiebijdehand: <a href="https://www.studiebijdehand.nl/search/9789001888077">https://www.studiebijdehand.nl/search/9789001888077</a>
9781630575526	Engineering Analysis with SOLIDWORKS Simulation 2023	Kurowski, P.	ebook	€ 56,70			C	C					Option: purchase ebook via Apple Books, Google Play Books, RedShelf and VitalSource
9781292451961	Engineering Mechanics: Dynamics in SI Units	Hibbeler, R.C.	14	€ 48,99			C						13rd edition also allowed.
9781292444031	Engineering Mechanics: Statics in SI Units	Hibbeler, R.C.	15	€ 92,14			C						2nd year: 11th, 12th, 13th and 14th edition allowed.
9990002072178	Engineering methods pack (cards)											C	Purchase at the Campus store
9789813157880	Fluid Mechanics: Fundamentals and Applications	Cengel, Y.A., Cimbala, J.M.	4	€ 66,28		C							
9789024427390	Industrial Production, the manufacture of mechanical	Prof. dr. ir. H.J.J. Kals, Ir. C.A. van	2	€ 97,50	C		C						
9780128184820	Manual of Engineering Drawing	Simmons, C. H.	5	€ 75,00	C	C							
9780081023761	Materials: Engineering, Science, Processing and Design	Michael Ashby, Hugh Shercliff, David Cebon	4	€ 85,80	C	C							
9781292725734	Mechanics of Materials in SI Units, 10th Edition	Hibbeler, R.C.	10	€ 87,15	C								
9789001575625	Project Management, a practical approach	Grit, R.	5	€ 50,95		C			C				C
9789001812591	Report writing for readers with little time	Elling, R	1	€ 73,95		C			C				C
9990002081002	VCA-VOL / VIL-VCU book English version 5.5	PBNA	1	€ 60,00	C								Order via <a href="http://www.pbna.com">www.pbna.com</a> (Please mind: access ebook is only 3 months, so only order right before the VCA lecture at school!)

C = compulsory / O = optional / R = recommended

**Minor Semiconductor Packaging (semester 7)** Course material, documents, articles and references will be provided during the minor.

**General requirements**

Calculator (with mathematical functions)	Casio fx-82... of Texas Instruments TI-30...				x	x	x	x	x	x	x	x	
Laptop specifications	<a href="https://www.han.nl/opleidingen/bachelor/werktuigbouw/unde/vt/starten/laptop/">https://www.han.nl/opleidingen/bachelor/werktuigbouw/unde/vt/starten/laptop/</a>				x	x	x	x	x	x	x	x	
Vernier caliper	For sale in construction market	about	€ 20,00		x								
Safety glasses	For sale in construction market				x								
Personal protective equipment	via teacher, provided by education institute.				x	x	x	x	x	x	x	x	

**Readers via campusstore**

readernr. 7953	Introduction to automation and logical circuits	via # OO (pdf) of via HAN Webshop		€ 5,05		x							
readernr. 7957	Exercises Dynamics	via HAN Webshop		not yet known									
readernr.7955	Exercises Statics	via HAN Webshop		not yet known									
readernr. 6119	PTEC-2: Injection moulding	via campusstore		€ 12,80		x							
readernr. 7939	Heat theory for technicians -Chapter 1 and 2						x						
readernr. 7941	Heat theory for technicians -Chapter 3, 4, 6	via HAN Webshop		€ 22,70				x					
readernr. 7918	Feedback control of dynamic systems	via HAN Webshop		€ 19,15									
readernr. 7512	Internal Combustion Engines	will be provided for free											
readernr. 7198	Heat transfer	will be provided for free											
readernr. 7920	Electrical Engineering for Mechanical Engineers and other technicians			€ 36,20					x				
readernr. 8303	Math for higher education part A (translation of Dutch book Noordhoff)					x	x						
reader (WTO2)	The reader contains the for this course relevant chapters of the book "Ise Shigley's Mechanical Engineering Design"	via teacher		not yet known									

**Software**

Granta Edupack	Granta Design	via teacher		HAN license	x	x							
CoDeSys		via teacher		HAN license		x							
DrStat	Fingertips	via teacher		€ 7,50		x							
Labview software	National instruments			HAN license				x					
Minitab		via teacher		HAN license		x							
Matlab Simulink				Via Surfspot				x					
Microsoft Office with		via SURFspot			x	x	x	x	x	x	x	x	
Solid Works		via teacher		HAN license	x	x							

version 03-07-2024 <sup>1)</sup> Subject to price changes and typing errors

<sup>2)</sup> 3rd Year, S6: Within the PLC, students decide in consultation with Senior Engineers, Experts and business supervisors which literature they need. They also determine in consultation which subject matter is required for carrying out the project/research.

<sup>3)</sup> In this column you will find additional information on how to purchase the books. You can purchase the books via any random bookstore/site or via [Studiewinkel.nl](http://Studiewinkel.nl). If you choose [Studiewinkel.nl](http://Studiewinkel.nl), you can order the books via the links below:

First year, semester 1 and 2: <https://studiewinkel.nl/lists/QuiO4CRo/Mechanical-Engineering-Year-1-Semester-1-and-2>  
 Second year, semester 3 and 4: [Boekenlijst Mechanical Engineering - Year 2 - Semester 3 and 4 | Studiewinkel.nl](https://studiewinkel.nl/lists/Boekenlijst-Mechanical-Engineering-Year-2-Semester-3-and-4)  
 Year 3 and 4, semester 5, 6 and 8: [Boekenlijst Mechanical Engineering - Year 3 and 4 - Semester 5, 6 and 8 | Studiewinkel.nl](https://studiewinkel.nl/lists/Boekenlijst-Mechanical-Engineering-Year-3-and-4-Semester-5-6-and-8)