



### Engineering First Year Courses – Textbook information 2026

Course	Textbook	Author/Publisher
CEM1000W	Chemistry: The Molecular Nature of Matter and Change (8 <sup>th</sup> Edition)	Martin Silberberg and Patricia Amateis
CEM1008F	Chemistry: The Molecular Nature of Matter and Change (8 <sup>th</sup> Edition)	Martin Silberberg and Patricia Amateis
CHE1006F and CHE1007S	Basic principles and calculations in chemical engineering (9 <sup>th</sup> Edition)  <b>Recommended book:</b> Elementary Principles of Chemical Processes (3rd Edition) ISBN:0471697591 (Paperback)	Himmelblau, D. M, & Riggs, J. B.  Felder & Rousseau
CIV1007S	<b>Engineering Mechanics Statics 15<sup>th</sup> edition</b>	Hibbeler
CSC1015F	<b>Recommended book:</b> Python Programming: An Introduction to Computer Science (2 <sup>nd</sup> Edition)	John Zelle
CSC1016S	<b>Recommended book:</b> Absolute Java, (International/Fifth edition or later), ISBN: 9780273764793	Walter Savitch, Pearson / Addison-Wesley
EEE1006F and EEE1007S	<b>Recommended book:</b> Hughes Electrical and Electronic Technology 12th Edition	HUGHES E
EEE1008F	<b>Recommended book:</b> Fundamentals of Electric Circuits, Sixth Edition, McGraw- Hill, 2017, ISBN: 978-0-07-802-822-9.	Charles K Alexander, Mathew N O Sadiku
MAM1023F/S MAM1024S	Calculus (International Metric Version) 9th Edition	Stewart
MAM1020F/S MAM1021S	Calculus (International Metric Version) 9 <sup>th</sup> Edition	Stewart
MAM1021F MAM1024F	Calculus (International Metric Version) 9th Edition	Stewart
MAM1042S	Available via course	
MEC1003F	<b>Recommended book:</b> Engineering drawing & Design 7th edition (Not compulsory, as students will be given class notes).	Cecil Jansen
MEC1007F	<b>Recommended book:</b> Engineering drawing & Design 7th edition (Not compulsory, as students will be given class notes).	Cecil Jansen



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MEC1009F/S	Engineering Mechanics: Statics, 9th Edition, SI Version, Wiley, 2020	Meriam, Kraige & Bolton
MEC1010F	<b>Recommended book:</b> Engineering drawing & Design 7th edition (Not compulsory, as students will be given class notes).	Cecil Jansen
MEC1018S	<b>Recommended book:</b> Engineering drawing & Design 7th edition (Not compulsory, as students will be given class notes).	Cecil Jansen
MEC1019S	Callister's Materials Science and Engineering 10th Edition	William D. Callister, Jr., David G. Rethwisch
MEC1020W	Mackay, Sustainable Energy – without the hot air. An Introduction to Mechanical Engineering	Available free from <a href="http://www.withouthotair.com/">http://www.withouthotair.com/</a> Wickert and Lewis



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		Available free from <a href="http://www.withouthotair.com">www.withouthotair.com</a> Wickert and Lewis
	MEC1002W, MEC1005W and MEC1008F are no  longer running from 2026.	
PHY1012F/S PHY1013F/S	Physics for Scientists and Engineers: A Strategic Approach (4 <sup>th</sup> Edition)	Knight
PHY1014F PHY1015S	<i>(Students will receive an online copy of this book. They should not buy it)</i>	
STAT 1008F/S	Introstat <i>(Students will receive a PDF at the beginning of the semester. Physical copies are only made available upon request)</i>	Underhill and Bradfield



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