



Engineering First Year Courses – Textbook information 2026

| Course | Textbook | Author/Publisher |
|------------------------|--|---|
| CEM1000W | Chemistry: The Molecular Nature of Matter and Change (8 th Edition) | Martin Silberberg and Patricia Amateis |
| CEM1008F | Chemistry: The Molecular Nature of Matter and Change (8 th Edition) | Martin Silberberg and Patricia Amateis |
| CHE1006F and CHE1007S | Basic principles and calculations in chemical engineering (9 th Edition) Recommended book: Elementary Principles of Chemical Processes (3rd Edition) ISBN:0471697591 (Paperback) | Himmelblau, D. M, & Riggs, J. B. Felder & Rousseau |
| CIV1007S | Engineering Mechanics Statics 15th edition | Hibbeler |
| CSC1015F | Recommended book: Python Programming: An Introduction to Computer Science (2 nd Edition) | John Zelle |
| CSC1016S | Recommended book: Absolute Java, (International/Fifth edition or later), ISBN: 9780273764793 | Walter Savitch, Pearson / Addison-Wesley |
| EEE1006F and EEE1007S | Recommended book: Hughes Electrical and Electronic Technology 12th Edition | HUGHES E |
| EEE1008F | Recommended book: 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 th Edition | Stewart |
| MAM1021F MAM1024F | Calculus (International Metric Version) 9th Edition | Stewart |
| MAM1042S | Available via course | |
| MEC1003F | Recommended book: Engineering drawing & Design 7th edition (Not compulsory, as students will be given class notes). | Cecil Jansen |
| MEC1007F | Recommended book: 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 | Recommended book: Engineering drawing & Design 7th edition (Not compulsory, as students will be given class notes). | Cecil Jansen |
| MEC1018S | Recommended book: 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 http://www.withouthotair.com/ Wickert and Lewis |



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| | | Available free from www.withouthotair.com Wickert and Lewis |
| | MEC1002W, MEC1005W and MEC1008F are no longer running from 2026. | |
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| PHY1012F/S PHY1013F/S | Physics for Scientists and Engineers: A Strategic Approach (4 th 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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