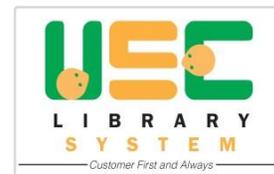




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Science & Technology Library



Acquisitions List: School of Engineering *First Semester 2015*

Chemical Engineering & Related Subject Area

- Bahadori, A., & John Wiley & Sons. (2014). *Corrosion and materials selection: a guide for the chemical and petroleum industries*. Chichester: John Wiley & Sons, Ltd. 660.28304/B14
- Basile, A., In Piemonte, V., & In Falco, M. . (2013). *Sustainable development in chemical engineering innovative technologies*. Chichester, West Sussex : John Wiley & Sons. 660.0285/Su82
- Bisaria, V. S., & In Kondō, A. (2014). *Bioprocessing of renewable resources to commodity bioproducts*. Hoboken, New Jersey : Wiley. 662.9/B52
- Caldesi, K., Caldesi, G., & Terry, C. (2013). *The gentle art of preserving*. London : Kyle Books. 641.4/C12
- Doraiswamy, L. K. (2014). *Chemical reaction engineering: beyond the fundamentals*. Boca Raton : Taylor & Francis. 660/D72
- Emich, F. (2014). *Engineering chemistry*. New Delhi : MEDTEC, an imprint of Scientific International. 660/En33
- Geankoplis, C. J. (2014). *Transport processes & separation process principles (includes unit operations)*. Harlow, Essex: Pearson Education Limited. 660.2842/G26 2014
- Guiné, R. P. F., & Reis, C. P. M. (2013). *Engineering aspects of cereal and cereal-based products*. Boca Raton: CRC Press. 664.7/En33
- Haghi, A. K., & Carvajal-Millan, E. (2014). *Food composition and analysis: methods and strategies*. Hoboken: Apple Academic Press. 664.07/F73
- Hill, C. G., & Root, T. W. (2014). *An introduction to chemical engineering kinetics & reactor design*. 2nd ed. Hoboken, New Jersey : John Wiley & Sons, Inc. 660.2832/H55

Jackson, R. S. (2014). *Wine science: principles and applications*. 4th ed. London : Academic Press. 663.2/J13

Jones, R. F. (2014). *Strategic management for the plastics industry: dealing with globalization and sustainability*. 2nd ed. Boca Raton, FL : CRC Press. 668.40684/J71

Lelieveld, H. L. M., In Holah, J. T., & In Napper, D. (2014). *Hygiene in food processing: Principles and practice*. 2nd ed. Oxford ;Philadelphia :Woodhead Publishing. 664/H99

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Tojo, S., & Hirasawa, T. (2014). *Research approaches to sustainable biomass systems*. Oxford: Academic Press. 662.9/T57

Tillman, D. A., Duong, D., & Harding, N. S. (2012). *Solid fuel blending: principles, practices, and problems*. Oxford: Elsevier, Butterworth-Heinemann. 662.623/T46

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Ainger, C. M., & Fenner, R. (2014). *Sustainable infrastructure: principles into practice*. London : ICE Publishing. 624.18/Ai63

Ashby, M. F., & Johnson, K. (2014). *Materials and design: the art and science of material selection in product design*. Amsterdam : Butterworth-Heinemann. 620.11/As34 2014

Ashworth, A., Hogg, K., & Higgs, C. (2013). *Willis's practice and procedure for the quantity surveyor*. Chichester, West Sussex, United Kingdom : John Wiley & Sons Inc. 692.50941/As39

Bai,Q,& Bai,Y.(2014). *Subsea pipeline design, analysis and installation*. Burlington : Elsevier Science. 621.867209162/B14

Barker, R. M., & Puckett, J. A. (2013). *Design of highway bridges: an LRFD approach*. 3rd ed. Hoboken: Wiley. 624.25/B24 2013

Beamish, J., Parrott, K. R., Emmel, J. A., & Peterson, M. J. (2013). *Kitchen planning: guidelines, codes, standards*. 2nd ed. Hoboken : Wiley. 690.44/B37

Bilotta, E., In Flora, A., In Lirer, S., & In Viggiani, C. (2013). *Geotechnics and heritage*. Leiden, The Netherlands : CRC Press/Balkema. 624.151/G29

Bodo', Be'la. (2013). *Introduction to soil mechanics*. Oxford : Wiley Blackwell. 624.15136/B63

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Chandrappa, R., & Das, D. B. (2014). *Sustainable and water engineering: theory and practice*. Chichester, West Sussex :John Wiley & Sons, Inc. 628.10286/C36

- Chau, K. (2012). *Analytic methods in geomechanics*. Boca Raton, FL: Taylor & Francis. 624.1513/C39
- Coduto, D. P. (2014). *Foundation design: principles and practices*. 2nd ed. Upper Saddle River : Prentice Hall. 624.15/C64
- Das, B.M.(2012). *Principles of soil dynamics*. 2nd ed. Stamford, CT : Cengage Learning. 624.15136/D26 2012
- Davis, M. L., & Masten, S. J. (2014). *Principles of environmental engineering and science*. 3rd ed. New York, NY : McGraw-Hill. 628/D29 2014
- Delatte, N. J. (2014). *Concrete pavement design, construction, and performance*. 2nd ed. Hoboken : Taylor and Francis. 625.84/D37
- Dixon, T. J., Eames, M., Lannon, S., & Hunt, M. (2014). *Urban retrofitting for sustainability: mapping the transition to 2050*. Abingdon, Oxon : Routledge. 628.0286/Ur12
- Foxell, S. (2014). *A carbon primer for the built environment*. Abingdon, Oxon : Routledge. 696/F83
- Garber, N.J., Hoel, L.A. (2012). *Traffic and highway engineering*. 4th ed. Andover : Cengage Learning. 625.7/G21 2012
- Gere, J. M., & Goodno, B. J. (2013). *Mechanics of materials*. 8th ed. Stamford, Conn. : Cengage Learning. 620.1123/G31
- Gilmore, C. M. (2015). *Materials science and engineering properties*. Stamford, CT : Cengage Learning. 620.11/G42
- Glover, P. V. (2013). *Building surveys*. 8th ed. London : Routledge/Taylor & Francis Group. 692/G51
- Gould, F. E., & Joyce, N. (2014). *Construction project management*. 4th ed. Boston : Pearson. 690/G73
- Gribbin, J. E. (2013). *Introduction to hydraulics and hydrology with applications for stormwater management*. 4th ed. Albany, N.Y: Delmar. 628.21/G87 2014
- Günel, M. H., & Ilgin, H. E. (2014). *Tall buildings : structural systems and aerodynamic form*. London ; New York : Routledge, Taylor & Francis Group. 690.21/G95
- Guo, B. (2014). *Offshore pipelines: design, installation, and maintenance*. Waltham, MA: Gulf Professional Publishing.
- Gupta, R. S. (2014). *Principles of structural design : wood, steel, and concrete*. 2nd ed. Boca Raton : CRC Press. 624.1771/G95
- Hirt, M. A., & Lebet, J.-P. (2013). *Steel bridges : design and dimensioning of steel and steel-concrete composite bridges*. Boca Raton, Florida : CRC Press. 624.25/L49

- Holland, L., Davenport, C., & Chappell, E. (2013). *Mastering AutoCAD Civil 3D*. Indianapolis, Ind: Autodesk Official Press. 624.0285536 /G76
- Hargreaves, J. S. J. (2014). *Conversion of large scale wastes into value-added products*. Boca Raton : CRC Press. 628.4458/C76
- Harrold, J. (2013). *Home woodworker series home workshop setup the complete guide*. Atglen, PA: Schiffer Pub. Limited. 684.08/H75
- Hellesland, J. (2013). *Reinforced concrete beams, columns and frames: section and slender member analysis*. London : ISTE ; Hoboken, NJ : Wiley. 624.1834/H36
- Hung, Y.-T., Wang, L. K., Shammass, N. K., & World Scientific (Singapore). (2014). *Handbook of environment and waste management: land and groundwater pollution control*. New Jersey : World Scientific Publishing. 628.4/H19v.2
- Kassimali, A. (2015). *Structural analysis*. 5th ed. Stamford, CT : Cengage Learning. 624.171/K15
- Kennes, C., Kennes, C., & Veiga, M. C. (2013). *Air pollution prevention and control: bioreactors and bioenergy*. Chichester, West Sussex: Wiley. 628.536/Ai71
- Labi, S. (2014). *Introduction to civil engineering systems: a systems perspective to the development of civil engineering facilities*. Hoboken, New Jersey : Wiley. 624/L11
- LeSar, R. (2013). *Introduction to computational materials science: fundamentals to applications*. New York: Cambridge. 620.110285/L56
- McCormac, J. C., & Brown, R. H. (2014). *Design of reinforced concrete*. 9th ed. Hoboken, NJ : Wiley. 624.18341/M13 2014
- Malina, M. (2013). *Delivering a sustainable built environment: an industry insider's view*. Chichester: Wiley-Blackwell. 690.0286/M29
- Novak, C. A., Van, G. E., & DeBusk, K. M. (2014). *Designing rainwater harvesting systems: integrating rainwater into building systems*. Hoboken, New Jersey : John Wiley & Sons. 628.142/N85
- Penelis, G. G., & Penelis, G. G. (2014). *Concrete buildings in seismic regions*. Boca Raton : CRC Press. 693.852/P37
- Powrie, W. (2014). *Soil mechanics: concepts and applications*. 3rd ed. Boca Raton, [Florida: CRC Press/Taylor & Francis. 624.15136/P87
- Purkiss, J. A., & Li, L.-Y. (2013). *Fire safety engineering design of structures*. 3rd ed. Boca Raton : CRC Press. 693.82/P97
- Nollet, L.M.L. & In De, G.L. (2014). *Handbook of water analysis*. 3rd ed. Boca Raton : CRC Press, Taylor & Francis Group. 628.161/H19

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Basta, A., Basta, N., & Brown, M. (2014). *Computer security and penetration testing*. 2nd ed. Stamford, Connecticut : Cengage Learning. 005.8/B29

Bergeron, B. P., & Talbot, T. B. (2014). *Androids: build your own lifelike robots*. New York: McGraw Hill Education. 629.892/B45

Blanchet, G., & Dupouy, B. (2013). *Computer architecture*. London: Iste. 004.22/B59

Dejong, S. M. (2013). *Blogs and tweets, texting and friending: social media and online professionalism in health care*. Amsterdam: Academic Press Inc. 006.754/D36

Douglass, B. P. (2014). *Real-time UML workshop for embedded systems*. Amsterdam: Newnes. 005.2732 /D74

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Hausman, K. K., Cook, S. L., & Sampaio, T. (2013). *Cloud essentials: CompTIA authorized courseware for Exam CLO-001*. Indianapolis, Ind: Sybex. 004.6782/H29

- Hogarth, M., & Furuta, K. (2012). *Data clean-up and management: a practical guide for librarians*. Oxford : Chandos Publishing. 004/H67
- Jacobs, J. (2014). *Data-driven security: analysis, visualization and dashboards*. Wiley. 005.8/J15
- Jin, L., & Hatfield, B. (2014). *Computer organization: principles, analysis, and design*. Singapore : Cengage Learning Asia Pte Ltd. 004.22/J56
- Jorgensen, P. (2014). *Software testing: a craftsman's approach*. 4th ed. Boca Raton, [Florida] : CRC Press, Taylor & Francis Group. 005.14/J76
- Moffett, J. (2014). *Bridging UX and web development: better results through team integration*. Burlington, Vermont : Elsevier Science. 006.70684 /M72
- Mowbray, T. J., & Shimonski, R. (2014). *Cybersecurity: managing systems, conducting testing, and investigating intrusions*. Indianapolis, Ind: John Wiley & Sons. 005.8/M87
- Nodder, C., & e-libro, Corp. (2013). *Evil by design: interaction design to lead us into temptation*. Indianapolis, IN: John Wiley & Sons. 006.7/N67
- Noergaard, T.(2013). *Embedded systems architecture :a comprehensive guide for engineers and programmers*. 2nd ed. Amsterdam : Elsevier/Newnes. 004.22/N68
- Shelly, Gary B.(1999). *HTML introductory concepts and techniques*. Cambridge, Mass. : Course Technology. 005.72/Sh43
- Shema, M. (2014). *Anti-hacker tool kit*. 4th ed. New York : McGraw-Hill Education. 005.8/Sh44
- Snyder, L. (2015). *Fluency with information technology: skills, concepts, & capabilities*. Boston : Pearson, Addison Wesley. 004/Sn92 2015
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- Suryn, W. (2013). *Software quality engineering: a practitioner's approach*. Hoboken: Wiley. Boca Raton : CRC Press, Taylor & Francis Group. 005.14/Su79
- Totten, C. W. (2014). *An architectural approach to level design*. Boca Raton : CRC, Taylor & Francis Group. 005.12/T64
- Villafiorita, A. (2014). *Introduction to software project management*. Boca Raton : CRC Press, Taylor & Francis Group. 005.1068 /V71

Electrical/Electronics & Communications Engineering & Related Subject Area

- Andrews, J. (2014). *A+ guide to hardware: managing, maintaining, and troubleshooting*. 6th ed. Boston, MA: Course Technology, Cengage Learning. 621.39160288/An26

- Bliss, D. W., & Govindasamy, S. (2013). *Adaptive wireless communications: MIMO channels and networks*. Cambridge: Cambridge University Press. 621.384/B61
- Caputo, A. C. (2014). *Digital video surveillance and security*. 2nd ed. Amsterdam: Butterworth-Heinemann. 621.38928 /C17
- Carter, B. (2013). *Op amps for everyone*. 4th ed. Kidlington, Oxford: Newnes. 621.395/C24
- Ceraolo, M., & Poli, D. (2014). *Fundamentals of electric power engineering: from electromagnetics to power systems*. Hoboken, New Jersey : IEEE Press, John Wiley & Sons. 621.31/C33
- Chellappa, R., & Theodoridis, S. (2014). *Academic Press library in signal processing: images, video processing and analysis, hardware, audio, acoustic and speech processing*. Kidlington, Oxford, UK: Academic Press. 621.3822/Im12
- Choi, B. (2013). *Pulsewidth modulated DC-to-DC power conversion: circuits, dynamics, and control designs*. Piscataway, New Jersey: IEEE Press. 621.3132/C45
- Costa, F. (2014). *Electromagnetic compatibility in power electronics*. London: ISTE. 621.38224/C82
- Dittmar, T., & ScienceDirect (Online service). (2012). *Audio engineering 101: a beginner's guide to music production*. Waltham, MA: Focal Press. 620.2/D63
- Dorf, R. C., & Svoboda, J. A. (2014). *Introduction to electric circuits*. 9th ed. Hoboken, NJ : John Wiley & Sons, Inc. 621.3192/D73 2014
- Durham, W. (2013). *Aircraft flight dynamics and control*. Chichester, West Sussex : John Wiley & Sons, Inc. 629.1323/D93
- Eisencraft, M., Attux, R. R., & Suyama, R. (2014). *Chaotic signals in digital communications*. Boca Raton, [Florida] :Taylor & Francis ;CRC Press. 621.3822/C36
- Ferreira, B., & Van, . M. W. (2014). *The principles of electronic and electromechanic power conversion: systems approach*. Hoboken: Wiley. 621.317/F41
- Franco, Sergio. (2015). *Design with operational amplifiers and analog integrated circuits*. 4th ed. London: McGraw-Hill Education - Europe. 621.3815/F84
- Ganguli, R. (2013). *Gas turbine diagnostics: signal processing and fault isolation*. Boca Raton, Fla: CRC Press. 629.1343530287 /G15
- Habib, M. K., & Davim, J. P. (2013). *Interdisciplinary mechatronics: engineering science and research development*. London: ISTE. 621/In81
- Giannakopoulos, T., & Pikrakis, A. (2014). *Introduction to audio analysis: a MATLAB® approach*. Oxford: Academic Press. 620.2/G34
- Hecht, J. (2008). *Understanding lasers: an entry-level guide*. 3rd ed. Piscataway, NJ: IEEE Press. 621.366/H35

- Kennedy, R. A., & Sadeghi, P. (2013). *Hilbert space methods in signal processing*. Cambridge, UK : Cambridge University Press. 621.382201515733/K38
- Hughes, C. (2013). *Build your own teams of robots with Lego Mindstorms NXT and Bluetooth*. New York: McGraw-Hill Education. 629.892/B86
- Kizer, G. M. (2013). *Digital microwave communication: engineering point-to-point microwave systems*. Hoboken, New Jersey: Wiley. 621.382/K65
- Li, J., Wu, X., & Laroia, R. (2013). *OFDMA mobile broadband communications: a systems approach*. Cambridge, United Kingdom : Cambridge University Press. 621.398/L61
- Manganaro, G., & Leenaerts, D. M. W. (2013). *Advances in analog and RF IC design for wireless communication systems*. Boston: Academic Press. 621.384/M31
- Iniewski, K. (2013). *Smart grid infrastructure & networking*. New York, N.Y: McGraw-Hill. 621.31028546 /Sm27
- Quan, R. (2013). *Build your own transistor radios: a hobbyist's guide to high-performance and low-powered radio circuits*. New York: McGraw-Hill. 621.38418/Q25
- Mitani, Y. (2013). *Wide area power system monitoring and control*. Chichester : Wiley-Blackwell. 621.317/B46
- Moyer, J. L. (2013). *The landscape lighting book*. 3rd ed. Hoboken, New Jersey : John Wiley & Sons. 621.3229/M87 2013
- Olsson, M., & Mulligan, C. (2012). *EPC and 4G packet networks: driving the mobile broadband revolution*. 2nd ed. S.l.: Academic Press. 621.38215 /O188
- Proakis, J. G., & Salehi, M. (2014). *Fundamentals of communication systems*. Boston : Pearson. 621.382/P94
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- Singh, M. D., & Joshi, J. G. (2006). *Mechatronics*. Delhi: Prentice-Hall of India. 621.3/Si64
- Streetman, B. G., & Banerjee, S. (2015). *Solid state electronic devices*. 7th ed. Boston :Pearson. 621.38152/St83
- Taur, Y., & Ning, T. H. (2009). *Fundamentals of modern VLSI devices*. 2nd ed. Cambridge, UK: Cambridge University Press. 621.395/T19
- Tomal, D. R., & Agajanian, A. S. (2014). *Electronic troubleshooting*. 4th ed. New York :McGraw-Hill Education. 621.381540288 /T59

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Weng, Q. (2014). *Scale issues in remote sensing*. Hoboken, New Jersey : Wiley. 621.3678/Sca44

Industrial Engineering & Related Subject Area

Blank, L. T., & Tarquin, A. J. (2014). *Basics of engineering economy*. 2nd ed. New York, NY : McGraw-Hill. 658.15/B61

Brumbach, M. E., & Clade, J. A. (2014). *Industrial maintenance*. 2nd ed. Clifton Park, NY : Delmar, Cengage Learning. 621.816/B83

Campos, J., In Seatzu, C., & In Xie, X. (2014). *Formal methods in manufacturing*. Boca Raton : CRC Press. 670/F76

Carroll, J. (2012). *Agile project management in easy steps*. Warwickshire, United Kingdom: In Easy Steps. 658.4040285 /C23

Guastello, S. J. (2014). *Human factors engineering and ergonomics: a systems approach*. 2nd ed. Boca Raton : CRC Press, Taylor & Francis Group. 620.82/G93

Gupta, P., & Trusko, B. E. (2014). *Global innovation science handbook*. New York: McGraw-Hill. 658.4063/G51

Kenett, R., Zacks, S., & Amberti, D. (2014). *Modern industrial statistics: With applications in R, MINITAB and JMP*. 2nd ed. Chichester, England : Wiley. 658.562/K35

Korotchenkov, G. S. (2013). *Chemical sensors: simulation and modeling*. New York: Momentum Press. 681.2/C42

Liang, B. C. (2014). *Managing and leading for science professionals: (What I wish I'd known when moving up the management ladder)*. Amsterdam : Elsevier/AP. 658.406/L61

Meijer, G. C. M., In Makinwa, K. A. A., & In Pertijs, M. A. P. (2014). *Smart sensor systems: emerging technologies and applications*. Southern Gate, Chichester, West Sussex, United Kingdom : John Wiley & Sons Inc. 681.2/Sm27

Pinto, C. A., & Garvey, P. R. (2012). *Advanced risk analysis in engineering enterprise systems*. Boca Raton: CRC Press. 620.00681/P65

Palm, W. J. (2014). *System dynamics*. 3rd ed. New York : McGraw-Hill Connect Learn Succeed. 620.104015118/P18 2014

Pyzdek, T., & Keller, P. (2013). *The handbook for quality management: a complete guide to operational excellence*. 2nd ed. New York : McGraw-Hill. 620.00452/P99

Rausand, M. (2014). *Reliability of safety-critical systems: theory and applications*. Hoboken: Wiley. 620.00452/R19

Venkateshan, S. P., & Swaminathan, P. (2014). *Computational methods in engineering*. Kidlington, Oxford, UK : Academic Press. 620.00151/V55

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Beer, F.P.(2013).*Vector mechanics for engineers. Dynamics*.10th ed. New York : McGraw-Hill Education (Asia). 620.1054/B39

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Çengel, Y. A., & Cimbala, J. M. (2013). *Fluid mechanics: fundamentals and applications*. 3rd ed. Singapore McGraw-Hill Education. 620.106/C33 2014

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- Kraus, A. D., Kraus, A. D., Welty, J. R., & Aziz, A. S. (2012). *Introduction to thermal and fluid engineering*. Boca Raton: CRC/Taylor & Francis. 621.4021/K86
- Londerville, S. B. (2013). *The Coen & Hamworthy combustion handbook: fundamentals for power, marine & industrial applications*. Boca Raton: CRC Press. 621.4023/C65
- McDonald, A. G., & Magande, H. L. (2013). *Introduction to thermo-fluids systems design*. Chichester, West Sussex, United Kingdom: John Wiley & Sons Inc. 621.4022/M14
- Mitchell, J. W., & Braun, J. E. (2013). *Principles of heating, ventilation, and air conditioning in buildings*. Hoboken, NJ: Wiley. 697/M69
- Modest, M. F. (2013). *Radiative heat transfer*. 3rd ed. San Diego: Elsevier Science. 621.4022/M72
- Nag, P. K.(2014).*Power plant engineering*. 4th ed. New Delhi : McGraw-Hill Education (India) Private Limited. 621.3121/N13 2014
- Neacsu, D. O. (2013). *Switching power converters: medium and high power*. 2nd ed. Boca Raton : CRC Press. 621.313/N24
- Norton, R. L. (2013). *Kinematics and dynamics of machinery*. 2nd ed. Singapore: McGraw-Hill. 621.811/N82 2013
- Salameh, Z. (2014). *Renewable energy system design*. Waltham, Massachusetts : Academic Press. 621.042/Sa31
- Schobeiri, M. (2014). *Applied fluid mechanics for engineers*. New York : McGraw-Hill Education. 620.106/Sch61
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