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Faculty of Engineering
Department of -
School of Computer Science



Book of Bibliography by course

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Chapter 1

First Semester

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[Lay et al., 2016] Lay, D. C., Lay, S. R., and McDonald, J. J. (2016). *Linear Algebra and Its Applications*. Pearson.

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[Larson and Edwards, 2014] Larson, R. and Edwards, B. H. (2014). *Calculus*. Cengage Learning.

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[Robbins, 2004] Robbins, S. (2004). *Comportamiento Organizacional*. México, Pearson Educación.

1.6 BEI101. Technical and professional English I

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Second Semester

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[Serway and Jewett, 2018] Serway, R. A. and Jewett, J. W. (2018). *Physics for Scientists and Engineers with Modern Physics*. Cengage Learning.

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[Cambridge, 2006] Cambridge (2006). *Diccionario Inglés-Español* Cambridge. Editorial Oxford.

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- [Deitel, 2017] Deitel, D. . (2017). *C++17 - The Complete Guide*. Pearson, 10th edition.
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[White et al., 2023] White, J. et al. (2023). A prompt pattern catalog to enhance prompt engineering with chatgpt. Peer-reviewed research on prompt engineering patterns.

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3.5 ST251. Probability Calculation

[Devore, 2016] Devore, J. L. (2016). *Probability and Statistics for Engineering and the Sciences*. Cengage Learning.

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[Cambridge, 2006] Cambridge (2006). *Diccionario Inglés-Español* Cambridge. Editorial Oxford.

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[Cormen et al., 2009] Cormen, T. H., Leiserson, C. E., Rivest, R. L., and Stein, C. (2009). *Introduction to Algorithms*. MIT Press, third edition edition. ISBN: 978-0-262-53305-8.

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[Parhami, 2005] Parhami, B. (2005). *Computer Architecture: From Microprocessors to Supercomputers*. Oxford Univ. Press, New York.

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4.6 MA202. Numerical Methods

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4.7 BEI202. Technical and professional English IV

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5.1 CS212. Analysis and Design of Algorithms

- [Alsuwaiyel, 1999] Alsuwaiyel, H. (1999). *Algorithms: Design Techniques and Analysis*. World Scientific.
- [Cormen et al., 2009] Cormen, T. H., Leiserson, C. E., Rivest, R. L., and Stein, C. (2009). *Introduction to Algorithms, Third Edition*. The MIT Press, 3rd edition.
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5.5 CS2S1. Operating systems

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5.6 BEI203. Technical and professional English V

- [Cambridge, 2006] Cambridge (2006). *Diccionario Inglés-Español Cambridge*. Editorial Oxford.
- [MacGrew, 1999] MacGrew, J. (1999). *Focus on Grammar Basic*. Editorial Oxford.
- [Soars and John, 2002g] Soars, L. and John (2002g). *American Headway N 3 Student Book*. Editorial Oxford.
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Chapter 6

Sixth Semester

6.1 CS231. Networking and Communication

[Chayapathi, 2016] Chayapathi, Rajendra; Syed F. Hassan; Shah, P. (2016). *Network Functions Virtualization (NFV) with a Touch of SDN*. Addison-Wesley Professional; 1 edition.

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6.2 CS311. Competitive Programming

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