**BSc Computer Science 2023-2024 Level 4**

The text book list below is indicative.

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| Module | Core Text Books |
| CTEC1701 Database Design and  Implementation | Date, C. J. (2004). An introduction to database systems (8th ed). Pearson/Addison-Wesley  Connolly, T. M., & Begg, C. E. (2015). Database systems: a practical approach to design, implementation, and management (Sixth edition, Global edition). Pearson Education  Howe, D. R. (2001). Data analysis for database design (3rd ed). Butterworth-Heinemann.  Rolland, F. D. (1998). The essence of databases. Prentice Hall.  Van der Lans, R. F. (2007). Introduction to SQL: mastering the relational database language (4th ed., 20th anniversary ed). Addison-Wesley. |
| CTEC1702 Fundamental Concepts of  Computer Science | Davis, G., & Pecar, B. (2013). Quantitative methods for decision making using Excel. Oxford University Press.  Giannasi, F., & Low, R. (1995). Maths for computing and information technology. Longman  Wacks, R. (2015). Privacy: a very short introduction (Second edition). Oxford University Press.  A list of contemporary articles that are changing over time. Will be updated in due time before module start |
| CTEC1703 Computer Programming | Alexander, A. (2021). Scala cookbook: recipes for object-oriented and functional  programming (Second edition). O’Reilly.  Lewis, M. C., & Lacher, L. L. (2017). Introduction to programming and problem-solving using Scala: Vol. Chapman & Hall/CRC textbooks in computing (Second edition). CRC Press.  Odersky, M. (2016). Programming in Scala. Martin Odersky, Lex Spoon, Bill Venners (Third edition). Artima.  Official Scala documentation. (n.d.). https://docs.scala-lang.org/  Scala Tutorials by TutorialsPoint. (n.d.). https://www.tutorialspoint.com/scala/  The Scala Programming Language. (n.d.). http://www.scala-lang.org/ |
| IMAT5122 Computer Systems and  Networks | Blum, R., & Bresnahan, C. (2021). Linux command line and Shell scripting bible (Fourth edition). John Wiley & Sons, Inc.  Kurose, J. F., & Ross, K. W. (2017). Computer networking: a top-down approach (Seventh edition, global edition). Pearson.  Limoncelli, T., Hogan, C. J., & Chalup, S. R. (2017). The practice of system and network administration (Third edition). Addison-Wesley.  Silberschatz, A., Galvin, P. B., & Gagne, G. (2014). Operating system concepts (Ninth edition. International student version). Wiley.  Ward, B. (2021). How Linux works (Third edition). No Starch Press. |