

BACHELOR OF TECHNOLOGY DEGREE PROGRAM IN ELECTRICAL AND ELECTRONICS ENGINEERING B.Tech (Electrical and Electronics Engineering) 2018-2022

1.1 PROGRAM CURRICULUM

1.1.1 Mandatory Courses and Credits

The B.Tech (Electrical and Electronics Engineering) program structure (2018- 2022) consists of 62 courses totalling 180 credits.

Table 3.1.1 summarizes the type of Courses, number of Courses under each type and the associated credits that are mandatorily required for the completion of the Degree.

TABLE 3.1.1 B.Tech (Electrical and Electronics Engineering) 2018-2022: Mandatory Courses and Credits			
S. No	TYPE OF COURSES	NO. OF COURSES	CREDITS
1	Humanities, Social Sciences and Management Sciences(HS)	4	11
2	Basic Sciences (BS)	9	29
3	Engineering Sciences (ES)	7	21
4	Core (Professional) Course (CC)	29	76
5	Discipline(Professional) Elective (DE)	4	12
6	Open Elective (OE)	2	6
7	Professional Practice (PP) I and II	2	20
8	Personal and Professional Skills (PPS)	4	4
9	University Learning Courses (ULC)	1	1
TOTAL		62	180
The mandatory minimum credits required for the award of the B.Tech (Electronics and Communication Engineering) Degree is 180 Credits			

The Table 3.1.1 is indicative of various components such as Foundation Courses (Basic Sciences, Engineering Sciences, Humanities, Social Sciences and Management Sciences), Professional Core, Discipline and Open Elective Courses. The unique feature of this program is Professional Practice - I of 6-8 weeks during the end of 4th Semester and before the commencement of 5th Semester for the student to have industry exposure. The Professional Practice - II will be during their 7th / 8th Semester for about 15 weeks. University Learning Course, which is mandatory, is introduced in the curriculum for the student to give value of social service such as community service, clean and green, NSS, Protection of environment and health hazards, etc.

Table 3.1.1 lists the mandatory courses, type of courses, number of type of courses and the associated credits required for the completion of the B.Tech (Electrical and Electronics Engineering) program

Tshwane University B Tech Electrical Syllabus

IM Harris



Tshwane University B Tech Electrical Syllabus:

Effective Teaching Around the World Ridwan Maulana, Michelle Helms-Lorenz, Robert M. Klassen, 2023-06-27 This open access book brings together theoretical empirical methodological and practical insights from various countries on effective teaching It particularly focuses on discussing issues pertaining to effective teaching behaviour including definitions and conceptualizations measurement differences and importance to student outcomes from international perspectives The book will draw upon the rich cultures with diverse contexts involving Asia Australia Africa America and Europe which serve as the background setting to better understand teaching quality from a wide spectrum of educational systems and performances It shows that effective teaching behaviour can be conceptualized and operationalized uniformly using specific frameworks and measures but also addresses some limitations that should be tackled The book discusses promising ways to measure and compare effective teaching behaviour from classical test theory CTT as well as item response theory IRT perspectives It indicates that effective teaching behaviour in diverse countries follows a systematic level of complexity which provides an avenue for ongoing teacher education and teacher professional development It discusses the interrelated domains of effective teaching behaviour including contemporary trends of differentiation The book continues with examining similarities and differences in effective teaching behaviour across countries It builds on the understanding of cultural traditions across countries as profoundly reflected in the classroom processes The A to Z of Careers in South Africa ,2006

Electrical Engineering (as Per Uptu Syllabus) C. L. Wadhwa, 2006 Basic Electrical Engineering Has Been Written As A Core Course For All Engineering Students Viz Electronics And Communication Engineering Computer Engineering Civil Engineering Mechanical Engineering Etc Since This Course Will Normally Be Offered At The First Year Level Of Engineering The Author Has Made Modest Effort To Give In A Concise Form Various Features Of Basic Electrical Engineering Using Simple Language And Through Solved Examples Avoiding The Rigorous Of Mathematics Salient Features Steady State Analysis Of A C Circuits Explained Network Theorems Explained Using Typical Examples Analysis Of 3 Phase Circuits And Measurement Of Power In These Circuits Explained Measuring Instruments Like Ammeter Voltmeter Wattmeter And Energy Meter Described Various Electrical Machines Like Transformers D C Machines Single Phase And Three Phase Induction Motors Synchronous Machines Servomotors Have Been Described A Brief View Of Power System Including Conventional And Nonconventional Services Of Electrical Energy Is Given Numerous Solved Examples And Practice Problems For Thorough Grasp Of The Subject Presented A Large Number Of Multiple Choice Questions With Answers Given **Syllabus of the**

Department of Electrical Engineering and Technology New South Wales. Technical Education Branch, 1891 **A Textbook of Electrical Engineering** R. K. Rajput, 2003 Basic Electrical Engineering ,2015 **Basic Electrical Engineering (As Per Vtu Syllabus)** C.L. Wadhwa, 2007-01-01 **Electrical Engineering** University of Waterloo. Engineering, Mathematics and Science Library, 1968 **Basic Electrical and Electronics Engineering-II: For WBUT**

Bhattacharya,2011 Basic Electrical and Electronics Engineering II For WBUT is a student friendly practical and example driven book that gives students a solid foundation in the basics of electrical and electronics engineering The contents have been tailored to exactly correspond with the requirements of the core course Basic Electrical and Electronics Engineering II offered to the students of West Bengal University of Technology in their first year A rich collection of solved examples and chapters mapped to the university syllabus make this book indispensable for students

EE 215, Introduction to Electrical Engineering United States. Department of the Air Force,1994* *Syllabus* Thomas Clair McFarland,1933 **Electrical Technology (As Per Jntu Syllabus)** C.L. Wadhwa,2006-01-01 *Notes on Principles of Electrical Engineering (basic Course)* Massachusetts Institute of Technology. Department of Electrical Engineering,1940 Electrical And Electronics Engineering(as Per Rajasthan University Syllabus) Jain K.C.,2009

Reviewing **Tshwane University B Tech Electrical Syllabus**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is actually astonishing. Within the pages of "**Tshwane University B Tech Electrical Syllabus**," an enthralling opus penned by a highly acclaimed wordsmith, readers set about an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

<https://about.livewellcolorado.org/files/Resources/default.aspx/Werewolf%20Mates%20Pack%20Law%204%20Siren%20Publishing%20Menage%20Everlasting.pdf>

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Tshwane University B Tech Electrical Syllabus Introduction

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