

STUDY PLAN FOR BACHELOR'S IN ELECTRICAL AND ELECTRONIC ENGINEERING

INTRODUCTION

I am Salim Ahmed Ayub an aspiring student interested in pursuing bachelor's degree in engineering based in Electrical and Electronics, which hopefully will commence in September 2025. My main objective is to focus on acquiring both strong technical skills and valuable soft skills, with the aim of becoming skilled and impactful engineer to make a change and solve problems not only in my country but also worldwide.

BACKGROUND

I Have been born and raised in Mombasa, Kenya. I completed my high school education in 2023 at Mvita High/secondary School, achieving a C plain with an aggregate score of 44 out of 84. From a young age, i have been passionate about engineering, growing up seeing my father a mechanical engineer really inspired me. The transformative impact of technology on society moved me further in pursuing the dream course of my life.

WHY STUDY IN CHINA

China is privilege to be the most advanced country, it is equipped with best machines and devices more advanced in the engineering world. China has some of the best engineering universities like Tsinghua university, Shanghai jiao tong university and many more. China is a leader in AI, robotics, 5G, high-speed trains, renewable energy. Nevertheless, China also has the affordable tuition and scholarship compared to the European countries.

1. **FIRST YEAR.** 1. INTRODUCTION TO ENGINEERING 2. BASIC ELECTRONICS 3. MATHEMATICS 4. ELECTRONICS 5. THERMODYNAMICS
2. **SECOND YEAR** 1. ELECTRICAL AND ELECTRONIC MACHINES. 2. DIGITAL ELECTRONICS 3. ELECTRICAL ENGG. MATERIALS 4. LINEAR CONTROL SYSTEMS 5. INSTRUMENTATIONS 6. ELECTRICAL NETWORKS. 6. LABARATOURY AND WORKSHOP PRACTICALS
3. **THIRD YEAR** 1. POWER AND CONTROL SYSTEMS 2. COMPUTER AIDED POWER SYSTEM ANALYSIS 3. NON-LINEAR AND DIGITAL CONTROL SYSTEMS 4. EXTRA HIGH VOLTAGE ENGG. 5. ELECTRICAL DESIGNING 6. COMMUNIATION ENGG. 7. CONTROL SYSTEMS

FOURTH YEAR 1. POWER ELECTRONICS 2. NUMERICAL ANALYSIS 3.
MICROPROCESSORS AND INTERFACING 3. E.M FIELD THEORY 4.
ATTACHMENT/INTERNSHIP

Yours faithful,

Salim Ahmed.