In 1931 Governor Sir Brandford Griffith proposed training of doctors at the Accra Hospital. Also in 1913 Governor Hugh Clifford also made a similar proposal.

The most serious attempt was made by Sir Frederick Gordon Guggisberg, Governor of Gold Coast from 1919 to 1927.

He planned to set up a medical school centred around Gold Coast hospital (Korle-Bu hospital). The prospect was scuppered by 1928 partly because Guggisberg left Gold Coast in 1927.

In 1962 President Nkrumah decided that Ghana should, on its own, establish a medical school. That year, 59 students were enrolled to commence pre medical courses at the University of Ghana.

The basic sciences building was the first structure built for the medical school and is situated where Governor Guggisberg had planned to establish the medical school in Korle Bu. Four (4) tower blocks were built to house the Departments of Medicine, Paediatrics, Obstetrics and Gynaecology and Surgery to complement the Wards built by Guggisberg.