In this thesis we classify indecomposable finite dimensional modules over string algebras. In the introductory part we define string algebras and string modules and band modules. In the third chapter we prove the classification theorem and define functors used. In the fourth and fifth chapter we verify assumptions on the functors regarding string modules or band modules, respectively. In the last chapter we show that these functors are sufficient and we finish proofs of all the remaining assumptions of the main theorem. At last we show examples of classification.