

Bachelor of Science (Honors) in Information Technology

Bachelor of Science (Honors) in Information Technology offered by Department of Information Technology under the [Faculty of Information Technology](#).

- The courses are designed over semester basis. Wherein ten semesters are required for graduation.
- The required 75 courses are distributed over the ten semesters with an average load 19.3 credit hours/semester.

Program Structure

Course Title	Credit Ho
Semester 1	
Principles of Computer & IT	3
Computer Related Mathematics	3
Principles of Management	2
Human Organizations	3
Introduction to Economics	2
Arabic Language I	2
English Language I	2
Religious Studies I	2
Sudanese Studies	2
Semester 2	
Religious Studies II	2
Basic Mathematics	3
Introduction to Programming C	3
Public Administration	3

Course Title	Credit Ho
Introduction to Statistics	2
Organizational Behavior	3
Arabic Language II	2
English Language II	2
Semester 3	
Statistical Inference	2
Microeconomics	3
Computerized Accounting	3
Arabic Language III	2
English Language III	2
Communication Skills	2
Religious Studies III	2
Database Systems	3
Internet Technology & Web Design I	2
Semester 4	
Macroeconomics	3
Visual Basic Programming	3
Internet Technology & Web Design II	2
Quantitative Methods	2
Introduction to Data Structure	2
Systems Analysis & Design I	3
Semester 5	
Research Methodology	2

Course Title	Credit Ho
System Analysis & Design II	3
Financial Management	3
Numerical Computing	2
Marketing Management	3
Linear Algebra	2
Human Resources Management	3
Analysis & Design of Algorithms	3
Semester 6	
Economic Forecasting & Modeling	2
Operation Research	3
Data Communication and Network	3
Fourth Generation Tools for Databases	3
Environmental Studies	2
Semester 7	
Network Design & Management	3
File Management & Programming	3
Financial Institutions	2
Applied Computer Simulation & Modeling	3
Management Information Systems II	3
Knowledge Logic & Reasoning Methods	2
Semester Project	3
Legal & Ethical of IT Issues	2
Semester 8	

Course Title	Credit Ho
Introduction to Operating System	3
Computer Graphics	3
Software Engineering	3
Internet Computing Database	3
Information System Design	3
Secure Information System Management	3
Introduction to AI	2
Semester 9	
Further Topics In Computer Technology	2
E- Commerce	3
Computer Application in Business Workshop	3
Principles & Applications in Multimedia I	2
Managing Information Technology	3
Computer Assisted Management	3
Final project I	3
Semester 10	
Data Mining & Machine Learning Systems	3
Software Reliability and Quality Assurance	3
Principles & Applications in Multimedia II	2
Information & Knowledge Base Management	3
Object Oriented Analysis & Design	3
Final project I	3
Total Credit Hour 188	

