

The Presbyterian University of East Africa
P.O. Box 387 - 00902, Kikuyu, Kenya
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School of Computer Science

## BACHELOR OF COMPUTER SCIENCE UNITS ON OFFER 1st YEAR - TRIMESTER 2

1st YEAR – TRIMESTER 2	
CODE	COURSE NAME
UCC 103	Introduction To Biblical Thought And Its Life Application.
MAT 103	Mathematics For Computer Scientists
ELE 102	Digital Electronics
COP102	Computer Architecture
MAT 103	Differential And Integral Calculus II
COP103	Operating Systems
COP104	Structured Programming Methodology
	2 <sup>nd</sup> YEAR – TRIMESTER I
CODE	COURSE NAME
MAT 201	Probability & Statistics
COP201	Database Systems
COP202	Computer Network Architecture
COP203	Data Structures And Algorithms
COP204	Object-Oriented Programming
COP205	Software Engineering Methodologies
UCC 202	Critical And Creative Thinking
	2 <sup>nd</sup> YEAR – TRIMESTER 2
CODE	COURSE NAME
COP206	Information Systems Management
COP207	Artificial Intelligence
COP208	Internet Application Development
COP209	Advanced Database Management
COP210	Compiler Design And Construction
COP211	Distributed Systems
COP212	Info Systems Audit & Frameworks
	3rd YEAR – TRIMESTER I
CODE	3 <sup>rd</sup> YEAR – TRIMESTER I COURSE NAME
CODE COP301	3 <sup>rd</sup> YEAR – TRIMESTER I COURSE NAME Systems Development Project
CODE COP301 COP302	3rd YEAR – TRIMESTER I COURSE NAME Systems Development Project Computer Networking II
CODE COP301 COP302 COP303	3rd YEAR – TRIMESTER I  COURSE NAME  Systems Development Project  Computer Networking II  Professional Ethics
CODE COP301 COP302 COP303 COP304	3rd YEAR – TRIMESTER I COURSE NAME Systems Development Project Computer Networking II Professional Ethics Multimedia Systems
CODE COP301 COP302 COP303 COP304 COP305	3rd YEAR – TRIMESTER I COURSE NAME Systems Development Project Computer Networking II Professional Ethics Multimedia Systems Internetworking
CODE COP301 COP302 COP303 COP304 COP305 COP306	3rd YEAR – TRIMESTER I COURSE NAME Systems Development Project Computer Networking II Professional Ethics Multimedia Systems Internetworking Automata Theory
CODE COP301 COP302 COP303 COP304 COP305	3rd YEAR – TRIMESTER I  COURSE NAME  Systems Development Project  Computer Networking II  Professional Ethics  Multimedia Systems  Internetworking  Automata Theory  Foundations Of Knowledge-Based Systems
CODE COP301 COP302 COP303 COP304 COP305 COP306 COP307	3rd YEAR – TRIMESTER I  COURSE NAME  Systems Development Project  Computer Networking II  Professional Ethics  Multimedia Systems  Internetworking  Automata Theory  Foundations Of Knowledge-Based Systems  3rd YEAR – TRIMESTER 2
CODE COP301 COP302 COP303 COP304 COP305 COP306 COP307	3rd YEAR – TRIMESTER I  COURSE NAME  Systems Development Project  Computer Networking II  Professional Ethics  Multimedia Systems  Internetworking  Automata Theory  Foundations Of Knowledge-Based Systems  3rd YEAR – TRIMESTER 2  COURSE NAME
CODE COP301 COP302 COP303 COP304 COP305 COP306 COP307 CODE COP308	3rd YEAR – TRIMESTER I  COURSE NAME  Systems Development Project  Computer Networking II  Professional Ethics  Multimedia Systems  Internetworking  Automata Theory  Foundations Of Knowledge-Based Systems  3rd YEAR – TRIMESTER 2  COURSE NAME  Human Computer Interaction
CODE COP301 COP302 COP303 COP304 COP305 COP306 COP307 CODE COP308 COP317	3rd YEAR – TRIMESTER I  COURSE NAME  Systems Development Project  Computer Networking II  Professional Ethics  Multimedia Systems  Internetworking  Automata Theory  Foundations Of Knowledge-Based Systems  3rd YEAR – TRIMESTER 2  COURSE NAME  Human Computer Interaction  Database Development, Administration And Maintenance
CODE COP301 COP302 COP303 COP304 COP305 COP306 COP307 CODE COP308 COP317 COP310	3rd YEAR – TRIMESTER I  COURSE NAME  Systems Development Project  Computer Networking II  Professional Ethics  Multimedia Systems  Internetworking  Automata Theory  Foundations Of Knowledge-Based Systems  3rd YEAR – TRIMESTER 2  COURSE NAME  Human Computer Interaction  Database Development, Administration And Maintenance  Programming Language Paradigms
CODE COP301 COP302 COP303 COP304 COP305 COP306 COP307 CODE COP308 COP317 COP310 COP311	3rd YEAR – TRIMESTER I  COURSE NAME  Systems Development Project  Computer Networking II  Professional Ethics  Multimedia Systems  Internetworking  Automata Theory  Foundations Of Knowledge-Based Systems  3rd YEAR – TRIMESTER 2  COURSE NAME  Human Computer Interaction  Database Development, Administration And Maintenance  Programming Language Paradigms  Computer Graphics
CODE COP301 COP302 COP303 COP304 COP305 COP306 COP307 CODE COP308 COP317 COP310	3rd YEAR – TRIMESTER I  COURSE NAME  Systems Development Project  Computer Networking II  Professional Ethics  Multimedia Systems  Internetworking  Automata Theory  Foundations Of Knowledge-Based Systems  3rd YEAR – TRIMESTER 2  COURSE NAME  Human Computer Interaction  Database Development, Administration And Maintenance  Programming Language Paradigms
CODE COP301 COP302 COP303 COP304 COP305 COP306 COP307 CODE COP308 COP317 COP310 COP311	3rd YEAR – TRIMESTER I  COURSE NAME  Systems Development Project  Computer Networking II  Professional Ethics  Multimedia Systems  Internetworking  Automata Theory  Foundations Of Knowledge-Based Systems  3rd YEAR – TRIMESTER 2  COURSE NAME  Human Computer Interaction  Database Development, Administration And Maintenance  Programming Language Paradigms  Computer Graphics  Research Methodology
CODE COP301 COP302 COP303 COP304 COP305 COP306 COP307 CODE COP308 COP317 COP310 COP311	3rd YEAR – TRIMESTER I  COURSE NAME  Systems Development Project  Computer Networking II  Professional Ethics  Multimedia Systems  Internetworking  Automata Theory  Foundations Of Knowledge-Based Systems  3rd YEAR – TRIMESTER 2  COURSE NAME  Human Computer Interaction  Database Development, Administration And Maintenance  Programming Language Paradigms  Computer Graphics
CODE COP301 COP302 COP303 COP304 COP305 COP306 COP307  CODE COP317 COP310 COP311 COP312	3rd YEAR – TRIMESTER I COURSE NAME Systems Development Project Computer Networking II Professional Ethics Multimedia Systems Internetworking Automata Theory Foundations Of Knowledge-Based Systems 3rd YEAR – TRIMESTER 2 COURSE NAME Human Computer Interaction Database Development, Administration And Maintenance Programming Language Paradigms Computer Graphics Research Methodology  Plus 2 courses selected from the following electives: Control Applications Of Computers
CODE	3rd YEAR – TRIMESTER I COURSE NAME Systems Development Project Computer Networking II Professional Ethics Multimedia Systems Internetworking Automata Theory Foundations Of Knowledge-Based Systems 3rd YEAR – TRIMESTER 2 COURSE NAME Human Computer Interaction Database Development, Administration And Maintenance Programming Language Paradigms Computer Graphics Research Methodology  Plus 2 courses selected from the following electives: Control Applications Of Computers
CODE COP301 COP302 COP303 COP304 COP305 COP306 COP307  CODE COP317 COP310 COP311 COP312  COP 313  COP 315 COP 316	3rd YEAR – TRIMESTER I COURSE NAME Systems Development Project Computer Networking II Professional Ethics Multimedia Systems Internetworking Automata Theory Foundations Of Knowledge-Based Systems 3rd YEAR – TRIMESTER 2 COURSE NAME Human Computer Interaction Database Development, Administration And Maintenance Programming Language Paradigms Computer Graphics Research Methodology  Plus 2 courses selected from the following electives: Control Applications Of Computers  Microprocessor Design CAD/ CAM Manufacturing Techniques
CODE COP301 COP302 COP303 COP304 COP305 COP306 COP307  CODE COP317 COP310 COP311 COP312  COP 313	3rd YEAR – TRIMESTER I COURSE NAME Systems Development Project Computer Networking II Professional Ethics Multimedia Systems Internetworking Automata Theory Foundations Of Knowledge-Based Systems 3rd YEAR – TRIMESTER 2 COURSE NAME Human Computer Interaction Database Development, Administration And Maintenance Programming Language Paradigms Computer Graphics Research Methodology  Plus 2 courses selected from the following electives: Control Applications Of Computers
CODE	3rd YEAR – TRIMESTER I  COURSE NAME  Systems Development Project  Computer Networking II  Professional Ethics  Multimedia Systems  Internetworking  Automata Theory  Foundations Of Knowledge-Based Systems  3rd YEAR – TRIMESTER 2  COURSE NAME  Human Computer Interaction  Database Development, Administration And Maintenance  Programming Language Paradigms  Computer Graphics  Research Methodology  Plus 2 courses selected from the following electives:  Control Applications Of Computers  Microprocessor Design  CAD/ CAM Manufacturing Techniques  Internet Information Systems Development

COP401	Computer Systems Project
COP402	Seminar In Advances In Computer Science
COP403	ICT And Society
COP 404	Simulation And Modeling
	Plus 2 courses selected from the following electives
COP 406	Neural Networks And Fuzzy Systems
COP 409	Machine Learning
COP 419	Bioinformatics
	4th YEAR – TRIMESTER 2
CODE	COURSE NAME
COP411	Computer Systems Project
COP412	Organizational Management
COP315	Microprocessor Design
COP414	Operational Research Techniques
	Plus 2 courses selected from the following electives
COP 415	Strategic Information Systems
COP 416	Multi Agent Technology
COP 417	Software Project Managrment
COP 417 COP 418	Software Project Managrment Data Mining & Warehousing

**END of Bachelors Units Loading**