

4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS)

| | Year 1 | | Year 2 | | Year 3 | | Year 4 | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

| HC00 SOFTWARE ENGINEERING | | | | | | | | |
|------------------------------------|---|--|--|---|--|---|--|--|
| Course Structure Session 2019/2020 | UNIVERSITI CORE (12 Credit Hours) | *UW00202 Islam & Asian Civilization UEXXX02 (Student Choice) UKXXX02 (Student Choice) (6 Credit Hours) | *UW00102 Ethnic Relations UCXXX02 (Student Choice) (4 Credit Hours) | UW00302 Fundamentals Of Entrepreneurial Acculturation (APK) (2 Credit Hours) | | | | |
| | LANGUAGE (8 Credit Hours) | UB0XXX2 / UX00XX2 (2 Credit Hours) | UB0XXX2 / UX00XX2 (2 Credit Hours) | UB0XXX2 / UX00XX2 (2 Credit Hours) | UB0XXX2 / UX00XX2 (2 Credit Hours) | | | |
| | CO-CURRICULUM (3 Credit Hours) | ECXXX3 Co-Curriculum (3 Credit Hours) | | | | | | |
| | FACULTY CORE (35 Credit Hours) | KT14303 Programming Principles KT14503 Mathematics for Computing (6 Credit Hours) | KT14203 Computer Architecture & Organization KT14403 Discrete Structures (6 Credit Hours) | KT24103 Data Structures & Algorithms KT24503 Database (6 Credit Hours) | KT24203 Probability and Statistics KT24403 Operating Systems (6 Credit Hours) | KT34103 Artificial Intelligence KT34303 Computer Graphics (6 Credit Hours) | | KT44103 Ethics and Law in ICT KT44302 Entrepreneurship in Technology (5 Credit Hours) |

4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS)

| | Year 1 | | Year 2 | | Year 3 | | Year 4 | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

| HC00 SOFTWARE ENGINEERING | | | | | | | | | |
|------------------------------------|---|--|---|---|--|---|---|--|--|
| Course Structure Session 2019/2020 | PROGRAMME CORE (39 Credit Hours) | | KK14203 Object Oriented Programming (3 Credit Hours) | KK24103 System Analysis KK24303 Data Communication (6 Credit Hours) | KK24203 Object-Oriented Modeling and Design KK24603 Web Engineering (6 Credit Hours) | KK34103 Software Project Management KK34503 Software Quality and Testing (6 Credit Hours) | KK34203 Project I KK34403 Human Computer Interaction KK34603 Computer Security KK34803 Parallel Programming And Distributed Systems (12 Credit Hours) | KK44703 Project II KK44903 Software Maintenance & Evolution (6 Credit Hours) | |
| | INDUSTRIAL TRAINING (12 Credit Hours) | | | | | | | | KK44212 Industrial Training (12 Credit Hours) |
| | ELECTIVE (12 Credit Hours) | | | | KK0XX03 Elective 1 (3 Credit Hours) | KK0XX03 Elective 2 (3 Credit Hours) | KK0XX03 Elective 3 (3 Credit Hours) | KK0XX03 Elective 4 (3 Credit Hours) | |

| 4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS) | | | | | | | | |
|---|------------|------------|------------|------------|------------|------------|------------|--|
| Year 1 | | Year 2 | | Year 3 | | Year 4 | | |
| Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 | |

| HC00 SOFTWARE ENGINEERING | | | | | | | | |
|--|----|----|----|----|----|----|----|----|
| TOTAL CREDIT HOURS (122 Credit Hours) | 17 | 15 | 16 | 17 | 15 | 15 | 14 | 12 |

**Note: Students can choose four (4) elective courses as listed below.*

ELECTIVES LIST FOR HC00

| Code | KK04103 | KK04303 | KK04503 | KK04703 | KK04803 | KK05203 | KK05303 | KK05503 | KK05403 | IP01903 |
|---------------------|-----------------------|---------------------------|------------------------|----------------|-----------------------|------------------|-----------------------------------|-----------------------|--|-------------------|
| Course Name | Heuristics Algorithms | Artificial Immune Systems | Evolutionary Computing | Data Mining | Information Retrieval | Mobile Computing | Special Topic in Computer Science | Models of Computation | Formal Methods in Software Engineering | Digital Workforce |
| Credit Hours | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS)

| | Year 1 | | Year 2 | | Year 3 | | Year 4 | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

| HC05 NETWORK ENGINEERING | | | | | | | | | |
|------------------------------------|---|--|---|--|---|--|--|---|--|
| Course Structure Session 2019/2020 | UNIVERSITI CORE (12 Credit Hours) | *UW00202 Islam & Asian Civilization UEXXX02 (Student Choice) UKXXX02 (Student Choice) (6 Credit Hours) | *UW00102 Ethnic Relations UCXXX02 (Student Choice) (4 Credit Hours) | UW00302 Basic Entrepreneurial Acculturation (APK) (2 Credit Hours) | | | | | |
| | LANGUAGE (8 Credit Hours) | UB0XXX2 / UX00XX2 (2 Credit Hours) | UB0XXX2 / UX00XX2 (2 Credit Hours) | UB0XXX2 / UX00XX2 (2 Credit Hours) | UB0XXX2 / UX00XX2 (2 Credit Hours) | | | | |
| | CO-CURRICULUM (3 Credit Hours) | ECXXX3 Co-Curriculum (3 Credit Hours) | | | | | | | |
| | FACULTY CORE (35 Credit Hours) | KT14303 Programming Principles KT14503 Mathematics for Computing (6 Credit Hours) | KT14203 Computer Architecture & Organization KT14403 Discrete Structures (6 Credit Hours) | KT24103 Data Structures & Algorithms KT24503 Database (6 Credit Hours) | KT24203 Probability and Statistics KT24403 Operating Systems (6 Credit Hours) | KT34103 Artificial Intelligence KT34303 Computer Graphics (6 Credit Hours) | | KT44103 Ethics and Law in ICT KT44302 Entrepreneurship in Technology (5 Credit Hours) | |

4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS)

| | Year 1 | | Year 2 | | Year 3 | | Year 4 | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

| HC05 NETWORK ENGINEERING | | | | | | | | | |
|------------------------------------|--|--|--|--|--|--|---|--|--|
| Course Structure Session 2019/2020 | PROGRAMME CORE (39 Credit Hours) | | KP14603 Object Oriented Programming Concepts (3 Credit Hours) | KP24103 System Analysis & Design KP24303 Network Fundamentals (6 Credit Hours) | KP24203 Routing Protocols and Concepts KP24403 Web Technology (6 Credit Hours) | KP34503 Software Engineering KP34703 Human-Computer Interaction (6 Credit Hours) | KP34203 Project I KP34403 Parallel and Distributed Computing KP34603 Enterprise Networks KP34803 Network Security (12 Credit Hours) | KP44703 Project II KP44903 WAN Technology (6 Credit Hours) | |
| | INDUSTRIAL TRAINNING (12 Credit Hours) | | | | | | | | KP44212 Industrial Training (12 Credit Hours) |
| | ELECTIVES (12 Credit Hours) | | | | KPOXX03 Elective 1 (3 Credit Hours) | KPOXX03 Elective 2 (3 Credit Hours) | KPOXX03 Elective 3 (3 Credit Hours) | KPOXX03 Elective 4 (3 Credit Hours) | |

| 4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS) | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | Year 1 | | Year 2 | | Year 3 | | Year 4 | |
| | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

| HC05 NETWORK ENGINEERING | | | | | | | | |
|--|----|----|----|----|----|----|----|----|
| TOTAL CREDIT HOURS (121 Credit Hours) | 17 | 15 | 16 | 17 | 15 | 15 | 14 | 12 |

**Note: Students can choose four (4) elective courses as listed below.*

ELECTIVES LIST FOR HC05

| Code | KP00103 | KP00303 | KP00503 | KP00603 | KP00703 | KP00803 | KP00903 | KP01003 | IP01903 |
|---------------------|----------------------------|--------------------|--------------------------------------|--------------------------------|-----------------------------------|---------------------------|-----------------------------|-----------------------------------|-------------------|
| Course Name | Ad Hoc and Sensor Networks | Network Simulation | Next Generation Network Architecture | Mobile Application Development | Data Encryptions and Cryptography | Special Topics on Network | Wireless & Mobile Computing | Network Management and Monitoring | Digital Workforce |
| Credit Hours | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS)

| | Year 1 | | Year 2 | | Year 3 | | Year 4 | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

| HC12 MULTIMEDIA TECHNOLOGY | | | | | | | | | |
|------------------------------------|---|---|--|---|--|----------------------------------|--|--|--|
| Course Structure Session 2019/2020 | UNIVERSITI CORE (PROMOTION OF KNOWLEDGE) (12 Credit Hours) | *UW00202 Islam & Asian Civilization UW00302 Fundamentals of Entrepreneurial Acculturation (APK) **Choose 1 soft skill cluster UE0XX02 (6 Credit Hours) | *UW00102 Ethnic Relations **Choose 1 soft skill cluster UC0XX02 (4 Credit Hours) | **Choose 1 soft skill cluster UK0XX02 (2 Credit Hours) | | | | | |
| | UNIVERSITY CORE (LANGUAGE) (8 Credit Hours) | UB0XX02 / UX0XX02 (2 Credit Hours) | UB0XX02 / UX0XX02 (2 Credit Hours) | UB0XX02 / UX0XX02 (2 Credit Hours) | UB0XX02 / UX0XX02 (2 Credit Hours) | | | | |
| | UNIVERSITY CORE (CO-CURRICULUM) (3 Credit Hours) | ECXXX3 Co-Curriculum (3 Credit Hours) | | | | | | | |
| | FACULTY CORE (33 Credit Hours) | IT12103 Introduction to Computer Programming | IT12403 Internet Technology IT12203 Basic Mathematics | IT32203 Discrete Mathematics IT22403 Database Management Systems | IT22103 Object Oriented Programming IT22303 Statistic | IT22603 Data Structure | IT32103 Human Computer Interaction IT32403 Management Information Systems | | |

4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS)

| | Year 1 | | Year 2 | | Year 3 | | Year 4 | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

| Course Structure Session 2019/2020 | HC12 MULTIMEDIA TECHNOLOGY | | | | | | | | |
|---|---|--|---|--|--|---|---|---|--|
| | | (3 Credit Hours) | IT12603 Operating System (9 Credit Hours) | (6 Credit Hours) | (6 Credit Hours) | (3 Credit Hours) | (6 Credit Hours) | | |
| | PROGRAMME CORE (42 Credit Hours) | IM12103 Fundamentals of Multimedia (3 Credit Hours) | IM12203 Multimedia Design (3 Credit Hours) | IM22103 Video Production (3 Credit Hours) | IM22203 Animation IM22403 Technopreneurship (6 Credit Hours) | IM32103 Web Programming IM32303 Computer Graphic IM32503 System Analysis & Design (9 Credit Hours) | IM32603 Advanced Multimedia IM32803 Multimedia Project Management IM33002 Project 1 (8 Credit Hours) | IM42103 Ethics in Information Technology Industries IM42303 Network and Security IM42504 Project 2 (10 Credit Hours) | |
| | INDUSTRIAL TRAINING (12 Credit Hours) | | | | | | | | IM42612 Industrial Training (12 Credit Hours) |
| MINOR / ELECTIVES (12 Credit Hours) | | | IPOXX03 (3 Credit Hours) | IPOXX03 (3 Credit Hours) | IPOXX03 (3 Credit Hours) | | IPOXX03 (3 Credit Hours) | | |

| 4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS) | | | | | | | | | |
|---|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | | Year 1 | | Year 2 | | Year 3 | | Year 4 | |
| | | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

| HC12 MULTIMEDIA TECHNOLOGY | | | | | | | | |
|--|----|----|----|----|----|----|----|----|
| TOTAL CREDIT HOURS (122 Credit Hours) | 17 | 18 | 16 | 17 | 15 | 14 | 13 | 12 |

ELECTIVES LIST FOR HC12

| Code | IP00103 | IP00703 | IP00803 | IP00903 | IP01103 | IP01503 | IP01603 | IP01803 | IP01903 |
|--------------|------------------|-------------------------|-----------|--------------------------|----------------------|--------------------------|------------|---------------------------|-------------------|
| Course Name | Creative Writing | Principles of Marketing | Cyber Law | Principles of Accounting | Research Methodology | Creative Thinking Skills | E-Commerce | Current Topics and Issues | Digital Workforce |
| Credit Hours | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS)

| | Year 1 | | Year 2 | | Year 3 | | Year 4 | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

HC13 BUSINESS COMPUTING

| | | | | | | | | | |
|------------------------------------|--|---|--|---|---|--|---|--|--|
| Course Structure Session 2019/2020 | UNIVERSITI CORE (PROMOTIONA) OF KNOWLEDGE (12 Credit Hour) | <p>*UW00202 Islam & Asian Civilization</p> <p>**Choose 1 soft skill cluster UE00XX2</p> <p>UW00302 Fundamentals of Entrepreneurial acculturation (APK)</p> <p style="text-align: center;">(6 Credit Hour)</p> | <p>*UW00102 Ethnic Relations</p> <p>**Choose 1 soft skill cluster UCXXX02</p> <p style="text-align: center;">(4 Credit Hour)</p> | <p>**Choose 1 soft skill cluster UX00XX2</p> <p style="text-align: center;">(2 Credit Hour)</p> | | | | | |
| | UNIVERSITY CORE LANGUAGE (8 Credit Hour) | <p>UB0XXX2/UX00XX2</p> <p style="text-align: center;">(2 Credit Hour)</p> | <p>UB0XXX2/UX00XX2</p> <p style="text-align: center;">(2 Credit Hour)</p> | <p>UB0XXX2/UX00XX2</p> <p style="text-align: center;">(2 Credit Hour)</p> | <p>UB0XXX2/UX00XX2</p> <p style="text-align: center;">(2 Credit Hour)</p> | | | | |
| | UNIVERSITY CORE CO-CURRICULUM (3 Credit Hour) | <p>ECXXXX3 Co-Curriculum</p> <p style="text-align: center;">(3 Credit Hour)</p> | | | | | | | |
| | FACULTY CORE (33 Credit Hour) | <p>IT12103 Introduction to Computer Programming</p> <p style="text-align: center;">(3 Credit Hour)</p> | <p>IT12203 Basic Mathematics</p> <p>IT12403 Internet Technology</p> <p>IT12603 Operating System</p> <p style="text-align: center;">(9 Credit Hour)</p> | <p>IT22103 Object Oriented Programming</p> <p>IT22303 Statistic</p> <p style="text-align: center;">(6 Credit Hour)</p> | <p>IT22403 Database Management System</p> <p>IT22603 Data Structure</p> <p style="text-align: center;">(6 Credit Hour)</p> | <p>IT32103 Human Computer Interaction</p> <p style="text-align: center;">(3 Credit Hour)</p> | <p>IT32203 Discrete Mathematics</p> <p>IE32403 Management Information Systems</p> <p style="text-align: center;">(6 Credit Hour)</p> | | |

4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS)

| | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | Year 1 | | Year 2 | | Year 3 | | Year 4 | |
| | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

HC13 BUSINESS COMPUTING

| | | | | | | | | | | |
|------------------------------------|---|--|---|--|---|---|--|--|---|--|
| Course Structure Session 2019/2020 | PROGRAMME CORE (42 Credit Hour) | IE12203 Business Management (3 Credit Hour) | IE12103 E-Commerce (3 Credit Hour) | IE32103 Technopreneurship (3 Credit Hour) | IE22203 E-Commerce Business Model IE22403 Web Programming (6 Credit Hour) | IE22103 Marketing IE32303 Information Technology Project Management IE32503 Analysis & Design for E-Commerce (9 Credit Hour) | IE32603 Ethics in Information Technology IE32803 Network & Security IE33002 Project 1 (8 Credit Hour) | IE42103 Security & E-Commerce Payment System IE42303 Data Mining IE42504 Project 2 (10 Credit Hour) | | |
| | INDUSTRIAL TRAINNING (12 Credit Hour) | | | | | | | | IE42612 Industrial Training (12 Credit Hour) | |
| | MINOR / ELECTIVES (12 Credit Hour) | | | IPXXXX3 (3 Credit Hour) | IPXXXX3 (3 Credit Hour) | IPXXXX3 (3 Credit Hour) | | | IPXXXX3 (3 Credit Hour) | |
| | | | | | | | | | | |

| 4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS) | | | | | | | | |
|---|------------|------------|------------|------------|------------|------------|------------|------------|
| | Year 1 | | Year 2 | | Year 3 | | Year 4 | |
| | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

| HC13 BUSINESS COMPUTING | | | | | | | | |
|--|----|----|----|----|----|----|----|----|
| TOTAL CREDIT HOURS (122 Credit Hours) | 17 | 18 | 16 | 17 | 15 | 14 | 13 | 12 |

ELECTIVES LIST FOR HC13

| Code | IP00103 | IP00403 | IP00803 | IP00903 | IP01103 | IP01203 | IP01703 | IP01803 |
|---------------------|------------------|---------------------|-----------|--------------------------|----------------------|--------------------|------------|---------------------------|
| Course Name | Creative Writing | Intro to Psychology | Cyber Law | Principles of Accounting | Research Methodology | System Engineering | Multimedia | Current topics and issues |
| Credit Hours | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS)

| | Year 1 | | Year 2 | | Year 3 | | Year 4 | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

HC14 DATA SCIENCE

| | | | | | | | | |
|------------------------------------|-----------------------------------|--|---|--|---|---|---|---|
| Course Structure Session 2019/2020 | UNIVERSITI CORE (12 Credit Hours) | UW00202 Islam & Asian Civilization UE00202 Work Ethics and Professional (UEXXX02) UK00202 Creative Thinking and Writing (UKXXX02) (6 Credit Hours) | UW00102 Ethnic Relations UC00302 Negotiation Skills (UCXXX02) (4 Credit Hours) | UW00302 Fundamentals Of Entrepreneurial Acculturation (APK) (2 Credit Hours) | | | | |
| | LANGUAGE (8 Credit Hours) | UB0XXX2 / UX00XX2 | UB0XXX2 / UX00XX2 | UB0XXX2 / UX00XX2 | | | | |
| | CO-CURRICULUM (3 Credit Hours) | ECXXX3 Co-Curriculum (Credit Hours) | | | | | | |
| | FACULTY CORE (38 Credit Hours) | KT143033 Programming Principles KT14503 Mathematics for Computing | KT14203 Computer Architecture & Organization KT14403 Discrete Structures | KT24103 Data Structures & Algorithms KT24503 Database | KT24403 Operating Systems KT24602 Software Engineering | KT34103 Artificial Intelligence KT34503 Human Computer Interaction | KT34203 Computer and Information Security | KT44102 Ethics and Law in ICT KT44502 Distributed System |
| | | | | | | | | |

4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS)

| | Year 1 | | Year 2 | | Year 3 | | Year 4 | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

HC14 DATA SCIENCE

| Course Structure Session 2019/2020 | HC14 DATA SCIENCE | | | | | | | | |
|---|--|------------------|---|--|---|--|--|--|--|
| | | (6 Credit Hours) | (6 Credit Hours) | (6 Credit Hours) | (8 Credit Hours) | (6 Credit Hours) | (3 Credit Hours) | (4 Credit Hours) | |
| | PROGRAMME CORE (30 Credit Hours) | | KD14203 Object Oriented Programming for Data Science KD14403 Fundamental of Data Science (6 Credit Hours) | KD24103 Statistics and Data Analysis KD24303 SAD for Data Science (6 Credit Hours) | KD24203 Data Mining and Warehousing (6 Credit Hours) | KD34103 Text Mining KD34303 Internet of Things (6 Credit Hours) | KD34203 Data Visualization KD34403 Machine Learning for Data Science (12 Credit Hours) | KD44103 Bid Data Analytics (6 Credit Hours) | |
| | Projek (6 Credit Hour) | | | | | | KD34603 Projek 1 | KD44303 Project II | |
| INDUSTRIAL TRAINING (12 Credit Hours) | | | | | | | | KD44212 Industrial Training (12 Credit Hours) | |

| 4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS) | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|--|
| Year 1 | | Year 2 | | Year 3 | | Year 4 | | |
| Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 | |

| HC14 DATA SCIENCE | | | | | | | | |
|--|----|----|----|---|---|---|---|----|
| ELECTIVE (12 Credit Hours) | | | | KD0XX03 Elective 1 (3 Credit Hours) | KD0XX03 Elective 2 (3 Credit Hours) | KD0XX03 Elective 3 (3 Credit Hours) | KD0XX03 Elective 4 (3 Credit Hours) | |
| TOTAL CREDIT HOURS (121 Credit Hours) | 17 | 18 | 16 | 16 | 14 | 15 | 13 | 12 |

**Note: Students can choose four (4) elective courses as listed below.*

ELECTIVES LIST FOR HC14

| Code | KD04103 | KD04203 | KK04803 | KD04403 | KD04303 | KK05303 | IP01903 |
|--------------|---------------------------------|------------------------|-----------------------|------------------------------|-------------------|------------------------------------|-------------------|
| Course Name | Mobile Applications Development | Computational Thinking | Information Retrieval | Natural Languages Processing | Technopreneurship | Special Topics in Computer Science | Digital Workforce |
| Credit Hours | 3 | 3 | 3 | 3 | 3 | 3 | 3 |