

DISTRIBUTION OF COURSES BY SEMESTERS

SOFTWARE ENGINEERING MAJOR

Year 1 - SEMESTER 1

CODE	COURSE NAME	CREDITS
1 AMAT 8111	Applied Mathematics	3
2 ACCT 8112	Principles of Accounting I	3
3 EDRM 8113	Study and Research Methods	2
4 ENGL 8115	General English	3
5 RELB 8116	Introduction to Bible Study	2
6 INSY 8117	Introduction to Computer Applications	3
Total		16
Cumulative Credits		16

Year 1 - SEMESTER 2

CODE	COURSE NAME	CREDITS
1 INSY 8121	Computer Maintenance	3
2 INSY 8122	Introduction to Computer Programming	4
3 RELT 8123	Bible Doctrines	3
4 ENGL 8124	Academics English Writing	3
5 STAT 8122	Descriptive Statistics	3
6 MATH 8127	Digital Computer Fundamentals	3
Total		19
Cumulative Credits		35

Year 2 - SEMESTER 1

CODE	COURSE NAME	CREDITS
1 COSC 8211	Computer Networks	4
2 INSY 8212	Programming with C	4
3 MATH 8213	Multivariable calculus and ODE	4
4 SENG 8214	Theory of computation	3
5 SENG 8215	Software Engineering	3
Total		18
Cumulative Credits		53

Year 2 - SEMESTER 2

CODE	COURSE NAME	CREDITS
1 INSY 8213	Health Principles	2
2 INSY 8221	Object-oriented Programming	4
3 INSY 8213	Database Management Systems	3
4 INSY 8223	Operating systems	4
5 SENG 8224	Requirements Engineering	3
6 STAT 8225	Probability and Statistics	3
Total		19
Cumulative Credits		72

Year 3 - SEMESTER 1

CODE	COURSE NAME	CREDITS
1 COSC 8312	Introduction to Linux	3
2 INSY 8311	Database development with PL/SQL	3
3 INSY 8312	Java Programming	4
4 INSY 8313	Management Information Systems	3
5 INSY 8314	Web Design	3
6 SENG 8315	Software Project Management	3
Total		19
Cumulative Credits		91

Year 3 - SEMESTER 2

CODE	COURSE NAME	CREDITS
1	INSY 8321	Data Structures and Algorithms
2	INSY 8322	Web Technology an Internet
3	SENG 8323	Software Modeling and Design
4	SENG 8324	Software Quality Assurance
5	SENG 8325	Software Testing Techniques
Total		17
Cumulative Credits		108

Year 4 - SEMESTER 1

CODE	COURSE NAME	CREDITS
1	RELT 8221	Philosophy, Science and Religion
2	INSY 8411	Dot Net
3	INSY 8412	Introduction to Big Data
4	INSY 8413	Mobile Programming
5	SENG 8414	Software Security
6	SENG 8415	Best programming Practice and Design Patterns
Total		19
Cumulative Credits		124

Year 4 - SEMESTER 2

CODE	COURSE NAME	CREDITS
1	BSAD 8225	Entrepreneurship
2	INSY 8421	Internship
3	INSY 8422	Final Year Project
Total		13
Cumulative Credits		137