

**DISTRIBUTION OF COURSES BY SEMESTERS****SOFTWARE ENGINEERING MAJOR****Year 1 - SEMESTER 1**

	<b>CODE</b>	<b>COURSE NAME</b>	<b>CREDITS</b>
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			<u>16</u>
Cumulative Credits			<u>16</u>

**Year 1 - SEMESTER 2**

	<b>CODE</b>	<b>COURSE NAME</b>	<b>CREDITS</b>
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			<u>19</u>
Cumulative Credits			<u>35</u>

**Year 2 - SEMESTER 1**

	<b>CODE</b>	<b>COURSE NAME</b>	<b>CREDITS</b>
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			<u>18</u>
Cumulative Credits			<u>53</u>

**Year 2 - SEMESTER 2**

	<b>CODE</b>	<b>COURSE NAME</b>	<b>CREDITS</b>
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			<u>19</u>
Cumulative Credits			<u>72</u>

**Year 3 - SEMESTER 1**

	<b>CODE</b>	<b>COURSE NAME</b>	<b>CREDITS</b>
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			<u>19</u>
Cumulative Credits			<u>91</u>

**Year 3 - SEMESTER 2**

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

**Year 4 - SEMESTER 1**

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

**Year 4 - SEMESTER 2**

	CODE	COURSE NAME	CREDITS
1	BSAD 8225	Entrepreneurship	3
2	INSY 8421	Internship	4
3	INSY 8422	Final Year Project	6
		Total	13
		Cumulative Credits	137