

Course Code.	Course Title	Credit Hours (Theory)	Credit Hours (Lab)
<b>Semester – I</b>			
CS-100	Computer fundamentals	2	1
MTH-104	Pakistan Studies	2	0
MTH-106	Functional English	3	0
CHM-112	Inorganic Chemistry-I	3	1
CHM-113	Physics-I	2	1
MTH-119	Basic Mathematics	3	0
<b>Total credit hours: 18</b>		<b>15</b>	<b>3</b>
<b>Semester – II</b>			
MTH-101	Applied Calculus	3	0
MTH-105	Islamic Studies/Ethics	2	0
MTH-107	Communication Skills	3	0
CHM-121	Functional Biology-I	2	0
CHM-122	Organic Chemistry-I	3	1
CHM-123	Physics-II	2	1
<b>Total credit hours: 17</b>		<b>15</b>	<b>2</b>
<b>Total for 1st year (two semesters)</b>		<b>35</b>	

Course Code.	Course Title	Credit Hours (Theory)	Credit Hours (Lab)
<b>Semester – III</b>			
MTH-209	Technical report writing & presentation skills	2	0
CHM-211	Functional biology-II	2	0
CHM-212	Forensic Chemistry	2	0
CHM-213	Environmental Chemistry	3	1
CHM-214	Physical Chemistry-I	3	1
MTH-301	Statistics & Probability	3	0
<b>Total credit hours: 17</b>		<b>15</b>	<b>2</b>
<b>Semester – IV</b>			
CHM-221	Green Chemistry	3	0
CHM-222	Analytical Chemistry-I	3	1
CHM-223	Biochemistry	2	1
CHM-224	Applied Chemistry	3	0
CHM-225	Thermodynamics	2	1
<b>Total credit hours: 16</b>		<b>13</b>	<b>3</b>
<b>Total for 2<sup>nd</sup> year (two semesters)</b>		<b>33</b>	