

## B. Sc. Biochemistry

SEM	Sub Code	Title of the Subject	Hours	Credit	E-Hrs	CA	SE	Total
<b>I SEMESTER</b>	LT114	Tamil-I	5	3	3	50	50	100
	LE115AT	English-I	5	2	3	50	50	100
	LE115AP	English Lab-I	-	1	-	-	-	-
	BC106	Cell Biology	3	3	3	50	50	100
	BC107	Biomolecules	4	4	3	50	50	100
	PBC102	Main practical- I	3	3	3	50	50	100
	ACH110	Allied Chemistry-I	4	3	3	50	50	100
	PACH209	Allied Chemistry Lab Work	2	-	-	50	50	100
	SK104	Communication Skills	2	1	-	-	-	-
	VE105A/B	Religion/Value Education-I	2	1	-	-	-	-
	CE103	Communicative English-I	-	1	-	-	-	-
<b>TOTAL</b>			<b>30</b>	<b>22</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>II SEMESTER</b>	LT214	Tamil-II	5	3	3	50	50	100
	LE215AT	English-II	5	2	3	50	50	100
	BC206	Plant Biochemistry	3	3	3	50	50	100
	BC207	Human physiology	4	4	3	50	50	100
	PBC205	Main practical-II	3	3	3	50	50	100
	ACH210	Allied Chemistry-II	4	3	3	50	50	100
	PACH209	Allied Chemistry Lab Work	2	2	3	50	50	100
	SK204	Leadership skills	2	1	-	-	-	-
	VE205A/B	Religion/Value Education-II	2	1	-	-	-	-

	CE203	Communicative English-II	-	1	-	-	-	-
	<b>TOTAL</b>		<b>30</b>	<b>23</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>III SEMESTER</b>	LT312	Tamil-III	5	3	3	50	50	100
	LE309T	English-III	5	2	3	50	50	100
	BC306	Microbiology	3	3	3	50	50	100
	BC307	Biophysical chemistry	4	4	3	50	50	100
	PBC302	Main practical-III	3	3	3	50	50	100
	AM310C	Allied Biostatistics-I	6	5	3	50	50	100
	SK304	Technical Skills-I	2	1	-	-	-	-
	VE306	Human Rights	2	1	3	50	50	100
	LE309P	English Lab-III	-	1	-	-	-	-
		OUTREACH	-	-	-	-	-	-
		SHELTERS	-	-	-	-	-	-
	<b>TOTAL</b>		<b>30</b>	<b>23</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>IV SEMESTER</b>	LT411	Tamil-IV	5	3	3	50	50	100
	LE409T	English-IV	5	2	3	50	50	100
	BC407	Microbial Biochemistry	3	3	3	50	50	100
	BC408	Analytical Biochemistry	4	4	3	50	50	100
	PBC405	Main practical-IV	3	3	3	50	50	100
	AM409C	Allied Biostatistics-II	6	5	3	50	50	100
	SK404	Employability Skills	2	1	-	-	-	-
	VE406	Environmental Science	2	1	3	50	50	100
	LE409P	English Lab-IV	-	1	-	-	-	-
		OUTREACH	-	2	-	-	-	-

		SHELTERS	-	2	-	-	-	-
		<b>Internship</b>		<b>1*</b>	-	-	-	-
		<b>TOTAL</b>	<b>30</b>	<b>27+1*</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>V SEMESTER</b>	BC522	Enzymology	4	4	3	50	50	100
	BC523	Intermediary metabolism	5	5	3	50	50	100
	BC524	Endocrinology	4	4	3	50	50	100
	BC525	Genetics	4	4	3	50	50	100
	PBC502	Main practical-V	5	4	6	50	50	100
	BC526A/B/C	<ul style="list-style-type: none"> <li>• Biomedical Instrumentation</li> <li>• Medical laboratory technology</li> <li>• Pharmacology (one out of three)</li> </ul>	6	4	3	50	50	100
	<b>SSP-I</b>	<b>Health Management</b>	-	<b>1*</b>	-	-	-	-
	NBC504	NME –Energy Builders	2	1	3	50	50	100
		<b>TOTAL</b>	<b>30</b>	<b>26 + 1*</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>VI SEMESTER</b>	BC620	Molecular Biology	5	5	3	50	50	100
	BC621	Immunology	4	4	3	50	50	100
	BC622	Medical Biochemistry	4	4	3	50	50	100
	PBC606	Main practical-VI	5	4	6	50	50	100
	BC623A	Subject Skill-I Biotechnology	5	5	3	50	50	100
	BC623B	Subject Skill-II Bioethics	5	5	3	50	50	100
	<b>SSP-II</b>	<b>Nutritional Biochemistry</b>	-	<b>1*</b>	-	-	-	-
	NBC604	NME – Health care and Disease management	2	1	3	50	50	100
		Certificate Courses NPTEL/MOOCs	-	<b>1*</b>	-	-	-	-

		<b>Project</b>	-	<b>2*</b>	-	-	-	-
	<b>TOTAL</b>		<b>30</b>	<b>28 + 4*</b>	-	-	-	-