



# SEETHALAKSHMI RAMASWAMI COLLEGE

(Autonomous)

Affiliated to Bharathidasan University

Tiruchirappalli

Accredited with A+ by NAAC (4<sup>th</sup> Cycle)



## B.Sc. CHEMISTRY

### Revised CBCS-OBE-BASED Curriculum Structure

(For students admitted from 2021 onwards)

SEM	PART	COURSE	COURSECODE	COURSE TITLE	HRS	CRD	INT/EXT	CIA	SE	TOT
I	I	Language - I	U211XXLT01/U211XXLH01/ U211XXLS01 U211XXTG01 (TANSCHÉ) U211XXHG01 (TANSCHÉ) U211XXSG01 (TANSCHÉ)	Course- I	6	3	EXT	25	75	100
	II	English - I	U211XXEE01 U211XXEG01(TANSCHÉ)	Course -I	6	3	EXT	25	75	100
	III	Core Course - I	U211CHMT01	Inorganic, Organic and Physical Chemistry-I	5+1	5	EXT	25	75	100
	III	Core Practical - I	U212CHMP01	Practical-I: Volumetric Analysis	3	-	INT	-	-	-
	III	First Allied Course - I	U211PHAT01	Offered by the Department of Physics	4	3	EXT	25	75	100
	III	First Allied Practical	U212PHAP01	Offered by the Department of Physics	2	-	INT	-	-	-
	III	Cross Disciplinary Course (CDC) (Chemistry, Computer Science & Physics)	U212XDMT01	Radiation and Safety management	1	-	EXT	-	-	-
	IV	VBE	U211XXVE01	Value Based Education	2	2	EXT	25	75	100
	<b>TOTAL</b>					<b>30</b>	<b>16</b>			
	I	Language - II	U212XXLT02,U12XXLH02	Course-II	6	3	EXT	25	75	100

<b>II</b>			U212XXLS02 U212XXT02(TAN SCHE) U212XXHG02(TAN SCHE) U212XXSG02(TAN SCHE)							
	II	English -II	U212XXEE02 U212XXEG02(TAN SCHE)	Course-II	6	3	EXT	25	75	100
	III	Core Course -II	U212CHMT02	Inorganic, Organic and Physical Chemistry -II	5	5	EXT	25	75	100
	III	Core Practical -I	U212CHMP01	Practical-I: Volumetric Analysis	2	4	INT	40	60	100
	III	First Allied Course -II	U212PHAT03	Offered by the Department of Physics	4	3	EXT	25	75	100
	III	First Allied Practical	U212PHAP01	Offered by the Department of Physics	2	3	INT	40	60	100
	III	Cross Disciplinary Course (CDC) (Chemistry, Computer Science &Physics)	U212XDMT01	Radiation and Safety management	3	4	EXT	25	75	100
	IV	EVS	U212XXES01	Environmental Studies	2	2	EXT	25	75	100
<b>TOTAL</b>					<b>30</b>	<b>27</b>				<b>800</b>

SEM	PART	COURSE	COURSECODE	COURSETITLE	HRS	CRD	INT/EXT	CIA	SE	TOT
	I	Language - III	U213XXLT03,U213 XXLH03, U213XXLS03	Course-III	6	3	EXT	25	75	100
	II	English - III	U213XXEE03	Course-III	6	3	EXT	25	75	100
	III	Core Course -	U213CHMT03	Inorganic, Organic and Physical	5	5	EXT	25	75	100

III		III		Chemistry -III						
	III	Core Practical-II	U214CHMP02	Practical-II: Semimicro Analysis	3	-	INT	-	-	-
	III	Second Allied Course - I	U213BYAT01 U213MAAT12	Offered by the Department of Mathematics/Botany	4+2 / 4	3	EXT	25	75	100
	III	Second Allied Practical		Offered by the Department of Botany	2	-	INT	-	-	-
	IV	NME - I*	U213BYNE01 U213CMNE01 U213CSNE01 U213ECNE01 U213ENNE01 U213HYNE01 U213HSNE01 U213MANE01 U213MUNP01 U213NDNE01 U213TANE02:1 U213ZYNE01	Offered by other Departments	2	2	EXT	25	75	100
	IV	SBE - I	U213CHSE 01:1	Chemistry of Commercial products	2	2	EXT	25	75	100
	<b>TOTAL</b>					<b>30</b>	<b>18</b>			
IV	I	Language - IV	U214XXLT04,U214XXLH04 U214XXLS04	Course-IV	6	3	EXT	25	75	100
	II	English -IV		Course-IV	6	3	EXT	25	75	100
	III	Core Course - IV	U214CHMT04	Inorganic, Organic and Physical Chemistry-IV	5+1	5	EXT	25	75	100
	III	Core Practical - II	U214CHMP02	Practical-II: Semimicro Analysis	2	4	INT	40	60	100
	III	Second Allied Course - II	U214BYAT02 U214MAAT15	Offered by the Department of Mathematics/Botany	4	3	EXT	25	75	100
	III	Second Allied Practical	U214BYAP01 U214MAAP07	Offered by the Department of Mathematics/Botany	2 / 2	3 / 3	INT	40	60	100
	IV	NME -II*	U214BYNE02 U214CMNE02	Offered by other Departments	2	2	EXT	25	75	100

			U214CSNE02 U214ECNE02 U214ENNE02 U214HYNE02 U214HSNE02 U214MANE02 U214MUNE02 U214NDNE02 U214TANE01:2 U214ZYNE02							
	IV	SBE -II	U214CHSE02:1	Phytochemistry	2	2	EXT	25	75	100
<b>TOTAL</b>					<b>30</b>	<b>25</b>				<b>800</b>

**\*Offered by the Department of the students of other disciplines**

SEM	PART	COURSE	COURSECODE	COURSE TITLE	HRS	CRD	INT/EXT	CIA	SE	TOT
V	III	Core Course -V	U215CHMT05	Inorganic Chemistry -I	5	5	EXT	25	75	100
	III	Core Course - VI	U215CHMT06	Organic Chemistry -I	5	5	EXT	25	75	100
	III	Core Course - VII	U215CHMT07	Physical Chemistry	5	5	EXT	25	75	100
	III	Core Practical - III	U216CHMP03	Practical-III: Gravimetric and Organic Analyses	3	-	INT	-	-	-
	III	Core Practical - IV	U216CHMP04	Practical-IV: Experimental techniques in Physical Chemistry	3	-	INT	-	-	-
	III	MBE - I	U215CHME01:1	C Language and Chemistry	5	4	EXT	25	75	100
	IV	SBE -III	U215CHSE03:1	Polymer Chemistry	2	2	EXT	25	75	100
	IV	SSD	U215XXSS01	Soft Skill Development	2	2	INT	25	75	100
					<b>TOTAL</b>	<b>30</b>	<b>23</b>			
VI	III	Core Course - VIII	U216CHMT08	Inorganic Chemistry - II	5	5	EXT	25	75	100
	III	Core Course - IX	U216CHMT09	Organic Chemistry -II	5	5	EXT	25	75	100
	III	Core Practical - III	U216CHMP03	Practical-III: Gravimetric and Organic Analyses	4	5	INT	40	60	100
	III	Core Practical -IV	U216CHMP04	Practical-IV: Experimental techniques in Physical Chemistry	3	3	INT	40	60	100
	III	MBE-II	U216CHME02:1	Spectroscopy, Electrochemistry and Group Theory	5	4	EXT	25	75	100

	III	MBE - III	U216CHME03:1 U216CHME03:2	Biochemistry/Pharmaceutical Chemistry	4	4	EXT	25	75	100
	III	Project	U216CHPJ01	Group project	3	3	EXT	20	80	100
	V	GS	U216XXGS01	Gender Studies	1	1	INT	25	75	100
	<b>TOTAL</b>				<b>30</b>	<b>30</b>				<b>800</b>
	V	Extension		Extension Activities	-	1	INT	--	--	100
	<b>TOTAL</b>				<b>-</b>	<b>31</b>				<b>900</b>