



Bachelor of Science (Honors) (Medical Laboratory Technology)

SETS

SET 1	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE*	ESE	INT	EXT	
	BML 101	Fundamentals of Medical Lab Technology	Major	3	1	0	4	40	60	-	-	100
	BML 102	Vital Signs and Management of Medical Emergencies	MC	1	0	0	1	40	60	-	-	100
	BML 103	Healthcare Delivery System	IDC	2	1	0	3	40	60	-	-	100
	BML 104	Digital Literacy	AEC	2	0	0	2	-	-	60	40	100
	BML 105	Communication Strategies	SEC	2	1	0	3	-	-	60	40	100
	BML 106	Environment Studies I	VAC	2	1	0	3	40	60	-	-	100
	BML 101P	Fundamentals of Medical Lab Technology Lab	Major	0	0	6	3	-	-	60	40	100
BML 102P	Vital Signs and Management of Medical Emergencies Lab	MC	0	0	2	1	-	-	60	40	100	
Total				12	4	8	20	160	240	240	160	800

*The marks will be divided as specified under clause 25UGAHP 5.2 of the policy document

(Signatures)

G H Raison Skill Tech University, Nagpur

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Bachelor of Science (Honors) (Medical Laboratory Technology)

SET 2

SET 2	Course Code	Course Name	Course Type	Periods			Total Crédits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BML 201	Basic Medical Lab Techniques and Blood Banking	Major	3	1	0	4	40	60	-	-	100
	BML 202	Infection Control and Biomedical Waste Management	MC	1	0	0	1	40	60	-	-	100
	BML 203	Hospital Services	IDC	2	1	0	3	40	60	-	-	100
	BML 204	Business Communication	AEC	2	1	0	3	-	-	60	40	100
	BML 205	Job Ready Skills I	SEC	2	0	0	2	-	-	60	40	100
	BML 206	Environmental Studies II	VAC	2	1	0	3	40	60	-	-	100
	BML 201P	Basic Medical Lab Techniques and Blood Banking Lab	Major	0	0	6	3	-	-	60	40	100
	BML 202P	Infection Control and Biomedical Waste Management Lab	MC	0	0	2	1	-	-	60	40	100
	Total			12	4	8	20	160	240	240	160	800



Bachelor of Science (Honors) (Medical Laboratory Technology)

SET 3

SET 3	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BML 301	Advanced Medical Lab Techniques and Blood Banking	Major	5	1	0	6	40	60	-	-	100
	BML 302	Laboratory Management and Information System	MC	2	0	0	2	40	60	-	-	100
	BML 303	Medical Law and Ethics	IDC	2	1	0	3	40	60	-	-	100
	BML 304	Sales and Marketing	AEC	2	1	0	3	-	-	60	40	100
	BML 305	Job Ready Skills II	SEC	2	0	0	2	-	-	60	40	100
	BML 301P	Advanced Medical Lab Techniques and Blood Banking Lab	Major	0	0	8	4	-	-	60	40	100
	Total				13	3	8	20	120	180	180	120

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Bachelor of Science (Honors) (Medical Laboratory Technology)

SET 4

SET 4	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BML 401	Molecular Biology and Cytogenetics	Major	5	3	0	8	40	60	-	-	100
	BML 402	Advanced Histopathology and Cytopathology	MC	5	1	0	6	40	60	-	-	100
	BML 403	Leadership Skills for Business Success	AEC	2	0	0	2	-	-	60	40	100
	BML 401P	Molecular Biology and Cytogenetics Lab	Major	0	0	8	4	-	-	60	40	100
	Total			12	4	8	20	80	120	120	80	400

SET 5

SET 5	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BML 501	MLT On the Job Training I	Major/M C/SI	0	0	40	20	-	-	60	40	100
	Total			0	0	40	20	-	-	60	40	100



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SET 6

SET 6	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BML 601	MLT On the Job Training II	Major/M C/SEC	0	0	40	20	-	-	60	40	100
Total				0	0	40	20	-	-	60	40	100

SET 7

SET 7	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BML 701	MLT On the Job Training III	Major/M C	0	0	40	20	-	-	60	40	100
Total				0	0	40	20	-	-	60	40	100

SET 8

SET 8	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BML 801	MLT On the Job Training IV	Major/M C	0	0	40	20	-	-	60	40	100
	Total			0	0	40	20	-	-	60	40	100

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Bachelor of Science (Honors) (Medical Laboratory Technology)

LEVEL 4.5

Candidates choosing the level 4.5 exit will study set 1 in semester I and set 5 in semester II

All candidates will be enrolled in the highest course.

	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
Semester - I (Candidate will study set 1)	BML 101	Fundamentals of Medical Lab Technology	Major	3	1	0	4	40	60	-	-	100
	BML 102	Vital Signs and Management of Medical Emergencies	MC	1	0	0	1	40	60	-	-	100
	BML 103	Healthcare Delivery System	IDC	2	1	0	3	40	60	-	-	100
	BML 104	Digital Literacy	AEC	2	0	0	2	-	-	60	40	100
	BML 105	Communication Strategies	SEC	2	1	0	3	-	-	60	40	100
	BML 106	Environmental Studies I	VAC	2	1	0	3	40	60	-	-	100
	BML 101P	Fundamentals of Medical Lab Technology Lab	Major	0	0	6	3	-	-	60	40	100
	BML 102P	Vital Signs and Management of Medical Emergencies Lab	MC	0	0	2	1	-	-	60	40	100
	Total				12	4	8	20	160	240	240	160

*Digital Literacy and Communication Strategies assessment will be practical viva based.

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Bachelor of Science (Honors) (Medical Laboratory Technology)

1. If a candidate wants to exit for an UG Certificate after Semester I, then this SES will be followed for Semester II.
2. An exit request can be raised maximum before the start of Semester II.
3. In case a candidate raises a request for exit post the above-mentioned timeline, they can only opt for the next available exit stage.
4. If a candidate does not wish to either opt for the next available exit stage or continue with the program, no qualification to be awarded to the candidate.
5. Candidates to pass all previous exams of all previous semesters in order to be eligible for the internship semester.
6. In case a candidate fails in any of the exams in any semester, s/he will get a chance to re-appear for the exams every six months.

Semester-II (Candidate will study set 5)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BML 501	MLT On the Job Training I	Major/MC/SI	0	0	40	20	-	-	60	40	100
	Total			0	0	40	20	-	-	60	40	100

Candidates exiting the programme after securing 40 credits will be awarded a UG Certificate (Medical Laboratory Technology) provided they secure 4 credits in work-based vocational courses offered during the summer term or an internship / Apprenticeship in addition to 6 credits from skill-based courses earned during the first and second semester.

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**Bachelor of Science (Honors) (Medical Laboratory Technology)****LEVEL 5**

Candidates choosing the level 5 exit will study set 1 in semester I, set 2 in semester II, set 5 in semester III, and set 6 in semester IV

If a candidate wants to continue after Semester I, then this SET will be followed for Semester II

Semester- II (Candidate will study set 2)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BML 201	Basic Medical Lab Techniques and Blood Banking	Major	3	1	0	4	40	60	-	-	100
	BML 202	Infection Control and Biomedical Waste Management	MC	1	0	0	1	40	60	-	-	100
	BML 203	Hospital Services	IDC	2	1	0	3	40	60	-	-	100
	BML 204	Business Communication	AEC	2	1	0	3	-	-	60	40	100
	BML 205	Job Ready Skills I	SEC	2	0	0	2	-	-	60	40	100
	BML 206	Environmental Studies II	VAC	2	1	0	3	40	60	-	-	100
	BML 201P	Basic Medical Lab Techniques and Blood Banking Lab	Major	0	0	6	3	-	-	60	40	100
BML 202P	Infection Control and Biomedical Waste Management Lab	MC	0	0	2	1	-	-	60	40	100	
Total				12	4	8	20	160	240	240	160	800

*Business Communication and Job Ready Skills I assessment will be practical viva based.

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Bachelor of Science (Honors) (Medical Laboratory Technology)

1. If a candidate wants to exit for an UG Diploma after Semester II, then this SES will be followed for Semester III and Semester IV.
2. An exit request can be raised maximum before the start of Semester III.
3. In case a candidate raises a request for exit post the above-mentioned timeline, they can only opt for the next available exit stage.
4. If a candidate does not wish to either opt for the next available exit stage or continue with the program, no qualification to be awarded to the candidate.
5. Candidates to pass all previous exams of all previous semesters in order to be eligible for the internship semester.
6. In case a candidate fails in any of the exams in any semester, s/he will get a chance to re-appear for the exams every six months.

Semester-III (Candidate will study set 5)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BML 501	MLT On the Job Training I	Major/MC/SI	0	0	40	20	-	-	60	40	100
Total				0	0	40	20	-	-	60	40	100

Semester-IV (Candidate will study set 6)	Course Code	Course Name	Course Type	Credits				Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P	Total	CAE	ESE	INT	EXT	
				BML 601	MLT On the Job Training II	Major/MC/SEC	0	0	40	20	-	
Total				0	0	40	20	-	-	60	40	100

Candidates exiting the programme after securing 80 credits will be awarded a UG Diploma (Medical Laboratory Technology) provided they secure an additional 4 credits in skill-based vocational courses offered during the first year or the second year summer term.

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Bachelor of Science (Honors) (Medical Laboratory Technology)

LEVEL 5.5

Candidates choosing the level 5.5 exit will study set 1 in semester I, set 2 in semester II, set 3 in semester III, set 5 in semester IV, set 6 in semester V, and set 7 in semester VI.

If a candidate wants to continue after Semester II, then this SET will be followed for Semester III.

Semester-III (Candidate will study set 3)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BML 301	Advanced Medical Lab Techniques and Blood Banking	Major	5	1	0	6	40	60	-	-	100
	BML 302	Laboratory Management and Information System	MC	2	0	0	2	40	60	-	-	100
	BML 303	Medical Law and Ethics	IDC	2	1	0	3	40	60	-	-	100
	BML 304	Saies and Marketing	AEC	2	1	0	3	-	-	60	40	100
	BML 305	Job Ready Skills II	SEC	2	0	0	2	-	-	60	40	100
	BML 301P	Advanced Medical Lab Techniques and Blood Banking Lab	Major	0	0	8	4	-	-	60	40	100
	Total				13	3	8	20	120	180	180	120

*Sales and Marketing and Job Ready Skills II assessment will be practical viva based.



Bachelor of Science (Honors) (Medical Laboratory Technology)

1. If a candidate wants to exit for 3 year UG programme after Semester III, then this SES will be followed for Semester IV, Semester V and Semester VI.
2. An exit request can be raised maximum before the start of Semester IV.
3. In case a candidate raises a request for exit post the above-mentioned timeline, they can only opt for the next available exit stage.
4. If a candidate does not wish to either opt for the next available exit stage or continue with the program, no qualification to be awarded to the candidate.
5. Candidates to pass all previous exams of all previous semesters in order to be eligible for an internship semester.
6. In case a candidate fails in any of the exams in any semester, s/he will get a chance to re-appear for the exams every six months.

Semester-IV (Candidate will study set 5)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
BML 501	MLT On the Job Training I	Major/MC/Sl	0	0	40	20	-	-	60	40	100	
Total				0	0	40	20	-	-	60	40	100

Semester- V (Candidate will study set 6)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BML 601	MLT On the Job Training II	Major/MC/SEC	0	0	40	20	-	-	60	40	100
Total				0	0	40	20	-	-	60	40	100

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Bachelor of Science (Honors) (Medical Laboratory Technology)

Semester- VI (Candidate will study set 7)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
	BML 701	MLT On the Job Training III	Major/MC	0	0	40	20	-	-	60	40	100
Total				0	0	40	20	-	-	60	40	100

Candidates who want to undertake a 3-year UG programme will be awarded a Bachelor of Science (Medical Laboratory Technology) degree upon securing 120 credits

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Bachelor of Science (Honors) (Medical Laboratory Technology)

LEVEL 6

Candidates choosing the level 6 exit will study set 1 in semester I, set 2 in semester II, set 3 in semester III, set 4 in semester IV, set 5 in semester V, set 6 in semester VI, set 7 in semester VII and set 8 in semester VIII

If a candidate wants to continue after Semester III, then this SET will be followed for Semester IV.

Semester - IV (Candidate will study set 4)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BML 401	Molecular Biology and Cytogenetics	Major	5	3	0	8	40	60	-	-	100
BML 402	Advanced Histopathology and Cytopathology	MC	5	1	0	6	40	60	-	-	100	
BML 403	Leadership Skills for Business Success	AEC	2	0	0	2	-	-	60	40	100	
BML 401P	Molecular Biology and Cytogenetics Lab	Major	0	0	8	4	-	-	60	40	100	
Total				12	4	8	20	80	120	120	80	400

*Leadership Skills for Business Success assessment will be practical viva based.

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Bachelor of Science (Honors) (Medical Laboratory Technology)

- Candidates to pass all previous exams of all previous semesters in order to be eligible for the internship semester.
- In case a candidate fails in any of the exams in any semester, s/he will get a chance to re-appear for the exams every six months.

Semester-V (Candidate will study set 5)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BML 501	MLT On the Job Training I	Major/MC/Sl	0	0	40	20	-	-	60	40	100
	Total			0	0	40	20	-	-	60	40	100

Semester- VI (Candidate will study set 6)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BML 601	MLT On the Job Training II	Major/MC/SEC	0	0	40	20	-	-	60	40	100
	Total			0	0	40	20	-	-	60	40	100

Semester - VII (Candidate will study set 7)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
BML 701	MLT On the Job Training II	Major/MC	0	0	40	20	-	-	60	40	100	
Total				0	0	40	20	-	-	60	40	100

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Bachelor of Science (Honors) (Medical Laboratory Technology)

Semester- VIII (Candidate will study set 8)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BML 801	MLT On the Job Training IV	Major/MC	0	0	40	20	-	-	60	40	100
Total				0	0	40	20	-	-	60	40	100

Candidates will be awarded a Bachelor of Science (Honors) (Medical Laboratory Technology) degree provided they secure 160 credits

Course Type Abbreviations:

Major: Major Courses

MC: Minor Courses

IDC: Inter-Disciplinary Courses

AEC: Ability Enhancement Courses

SEC: Skill Enhancement Courses

VAC: Common Values Added Courses

SI: Summer Internship

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