

B.Sc. (H) + M. Sc. Forensic Science of Five Year

<u>SEMESTER I</u>						
Category of Course	Subject	L	T	P	Credits	
Discipline Core Course 1	Introduction to Forensic Science	3	0	1	4	
Discipline Core Course 2	Crime Scene Management	3	0	1	4	
Multi Disciplinary Course 1	Physical and Chemical Analytical Techniques	4	0	0	4	
Generic Electives - 1 /Minor-1	One from the List of choices				4	
Ability Enhancement course-1	One from the List of choices				2	
Skill Enhancement course-1	One from the List of choices				2	
Value Added Course-1	One from the List of choices				2	
<u>TOTAL</u>		<u>22</u>				
<u>SEMESTER II</u>						
Category of Course	Subject	L	T	P	Credits	
Discipline Core Course 3	Trace Evidence and Tool-Mark Analysis	3	0	1	4	
Discipline Core Course 4	Police Science and Justice System	4	0	0	4	
Multi-Disciplinary Course 2	Biological-Analytical Techniques	4	0	0	4	
Generic Electives - 2 /Minor-2	One from the List of choices				4	
Ability Enhancement course-2	One from the List of choices				2	
Skill Enhancement course-2	One from the List of choices				2	
Value Added Course-2	One from the List of choices				2	
<u>TOTAL</u>		<u>22</u>				

SEMESTER III

Category of Course	Subject	L	T	P	Credits
Discipline Core Course 5	Forensic Chemistry and Explosives	3	0	1	4
Discipline Core Course 6	Toxicology	3	0	1	4
Discipline Core Course 7	Fingerprints	3	0	1	4
Generic Electives - 3 /Minor-3	One from the List of choices				4
Ability Enhancement course-3	One from the List of choices				2
Skill Enhancement course- 3	One from the List of choices				2
Value Added Course-3	NSS/NCC/Social internship	0	0	0	2
<u>TOTAL</u>		<u>22</u>			

SEMESTER IV

Category of Course	Subject	L	T	P	Credits
Discipline Core Course 8	Forensic Serology and bloodstain pattern analysis	3	0	1	4
Discipline Core Course 9	DNA Profiling	3	0	1	4
Discipline Core Course 10	Basics of forensic psychology	3	0	1	4
Generic Electives - 4 /Minor-4	One from the List of choices				4
Ability Enhancement course-4	One from the List of choices				2
Skill Enhancement course- 4	One from the List of choices				2
Multi-Disciplinary Course 3	Research Methodology and Ethics	2	0	0	2
<u>TOTAL</u>		<u>22</u>			

<u>SEMESTER V</u>						
Category of Course	Subject	L	T	P	Credits	
Discipline Core Course 11	Handwriting and Signature Examination	3	0	1	4	
Discipline Core Course 12	Forensic Anthropology and Botanical Evidences	3	0	1	4	
Discipline Core Course 13	Digital and Mobile Forensics	3	0	1	4	
Discipline Specific Elective-1	Specialization elective	3	0	1	4	
Generic Electives - 5 /Minor-5	One from the List of choices				4	
Industrial/Academic Internship					2	
<u>TOTAL</u>		<u>22</u>				
<u>SEMESTER VI</u>						
Category of Course	Subject	L	T	P	Credits	
Discipline Core Course 14	Basics of Firearms and Its Investigations	3	0	1	4	
Discipline Core Course 15	Forensic Medicine	4	0	0	4	
Discipline Specific Elective-2	Specialization elective	3	0	1	4	
Discipline Specific Elective-3	Specialization elective	3	0	1	4	
Generic Electives - 6 /Minor-6	One from the List of choices				4	
Skill Enhancement course- 5	One from the List of choices				2	
<u>TOTAL</u>		<u>22</u>				
<u>Questioned Documents and Fingerprints Specialization</u>						
Category of Course	Subject	L	T	P	Credits	

Elective-1	Fundamentals of Questioned Documents and Fingerprints	3	0	1	4
Elective-2	Questioned Documents – Analysis and Identification	3	0	1	4
Elective-3	Fingerprint Detection and Identification	3	0	1	4

Forensic Biology and Serology Specialization

Category of Course	Subject	L	T	P	Credits
Elective-1	Biological Evidence	3	0	1	4
Elective-2	Serology and Blood Spatter Analysis	3	0	1	4
Elective-3	Forensic Analysis of Human DNA	3	0	1	4

Forensic Chemistry and Toxicology Specialization

Category of Course	Subject	L	T	P	Credits
Elective-1	Pharmacology of Poisons	3	0	1	4
Elective-2	Forensic Investigation of Explosives and Explosive Devices	3	0	1	4
Elective-3	Forensic Analysis of Drugs	3	0	1	4

Cyber and Multimedia Forensics Specialization

Category of Course	Subject	L	T	P	Credits
Elective-1	Basics of Cyber Forensics	3	0	1	4
Elective-2	Basics of Multimedia Forensics	3	0	1	4
Elective-3	Network and Mobile Forensics	3	0	1	4

Forensic Physics and Ballistics Specialization

Category of Course	Subject	L	T	P	Credits
Elective-1	Essentials of Forensic Physics and Ballistics	3	0	1	4
Elective-2	Forensic Voice Authentication	3	0	1	4
Elective-3	Terminal Ballistics & Wound Ballistics	3	0	1	4

SEMESTER VII

Category of Course	Subject	L	T	P	Credits
Discipline Core Course 16	Criminalistics and Police Science	3	0	1	4
Discipline Core Course 17	Forensic Chemistry and Explosives	3	0	1	4
Discipline Core Course 18	Advanced Analytical Instrumentation	4	0	0	4
Discipline Core Course 19	Cyber and Digital Forensics	3	0	1	4
Discipline Core Course 20	Forensic Physics	3	0	1	4
TOTAL		20			

SEMESTER VIII

Category of Course	Subject	L	T	P	Credits
Discipline Core Course 21	Dermatoglyphics and Other Impressions	3	0	1	4
Discipline Core Course 22	Questioned Documents	3	0	1	4
Discipline Core Course 23	Forensic Toxicology	3	0	1	4
Discipline Core Course 24	Advanced Forensic Ballistics	3	0	1	4
Discipline Core Course 25	Advanced Forensic Biology	3	0	1	4

TOTAL				20		
SEMESTER IX						
Category of Course	Subject	L	T	P	Credits	
Discipline Core Course 26	Forensic Serology and DNA	3	0	1	4	
Discipline Core Course 27	Medical Jurisprudence	4	0	0	4	
Element of Soft Skills	Element of Soft Skills	2	0	0	2	
Research Methodology	Research Methodology	2	0	0	2	
Discipline Specific Elective-4	Specialization elective	3	0	1	4	
Discipline Specific Elective-5	Specialization elective	3	0	1	4	
TOTAL		26				
Program Elective						
Specialization	Subject	L	T	P	Credits	
Questioned Documents and Fingerprints	Introduction to Biometry	3	0	1	4	
	Advancements in Questioned Documents and Fingerprints	3	0	1	4	
Forensic Biology and Serology	Forensic Genetics	3	0	1	4	
	Forensic Bioinformatics	3	0	1	4	
Forensic Chemistry and Toxicology	CBRN Forensics	3	0	1	4	
	Entomotoxicology	3	0	1	4	
Cyber and Multimedia Forensics	Social Media Forensics and Cryptography	3	0	1	4	
	Advanced Multimedia Forensics	3	0	1	4	
Forensic Physics and Ballistics	Forensic Engineering	3	0	1	4	
	Radiographic Investigations in Forensic Science	3	0	1	4	
SEMESTER X						

Category of Course	Subject	L	T	P	Credits
*Discipline Specific Elective-6	Specialization elective				4
Internship	Internship				2
Dissertation/Project	Dissertation				14
TOTAL		20			

***Discipline Specific Elective-6 have to be taken through MOOC**