

School of Science
Course Structure-B.Sc. Forensic Science

Programme Name : B.Sc. Forensic Science													
Programme Code:									With Effect From Academic Year: 2025-26				
Duration of Programme: 3 Years/ Honours													
Semester: I (Level 4.5)													
Course Category	Course Code	Course Title	Scheme of Study (Hours/Week)						Assessment Scheme (Marks)				Total Marks (TA+LA)
			Classroom Instruction (CI)		Lab Instruction (LI)	Hours (CIA+SL)	Total Notional Hours (CI+LI+CIA+SL)/ for 15 weeks)	Total Credits (C)	Theory Assessment (TA)		Lab Assessment (LA)		
			L	T					Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	
PCC	NYFS101	Introduction to Forensic Science	3	-	-	3	6	3	50	50	-	-	100
PCC	NYFS102	Crime Scene Management	3	-	-	3	6	3	50	50	-	-	100
PCC	NYFS103	Forensic Chemistry- I	3	-	-	3	6	3	50	50	-	-	100
OE	NSSO_	Open Elective – I	4	-	-	4	8	4	50	50	-	-	100
VSEC/PCC	NYFS111	Introduction to Forensic Science Laboratory	-	-	2		2	1	-	-	50	50	100
VSEC/PCC	NYFS112	Forensic Photography and Videography Laboratory	-	-	2	-	2	1	-	-	50	50	100
VSEC/PCC	NYFS113	Crime Scene Management Laboratory	-	-	2	-	2	1	-	-	50	50	100
VSEC/PCC	NYFS114	Forensic Chemistry Laboratory - I			2		2	1	-	-	50	50	100
VSEC/PCC	NYFS115	Forensic Documentation Laboratory			2		2	1			50	50	100
AEC- I	NHSA...	Ability Enhancement Course - I	-	-	4	-		2	-	-	50	50	100
VEC - I	NSSV...	Value Education Course - I	-	-	4	-		2	-	-	50	50	100
IKS	NSSL.-	Indian Knowledge System - I			4	-	-	2	-	-	50	50	100
CC – I	NSSC...	Co-curricular Course - I	-	-	4	-		2	-	-	50	50	100
Total			13	-	26	-	-	26	200	200	450	450	1300

Programme Name : B.Sc. Forensic Science													
Programme Code:									With Effect From Academic Year: 2025-26				
Duration of Programme: 3 Years/ Honours													
Semester: II (Level 4.5)													
Course Category	Course Code	Course Title	Scheme of Study (Hours/Week)						Assessment Scheme (Marks)				Total Marks (TA+LA)
			Classroom Instruction (CI)	Lab Instruction (LI)	Hours (CIA+SL)	Total Notional Hours (CI+LI+CIA+SL) / for 15 weeks)	Total Credits (C)	Theory Assessment (TA)		Lab Assessment (LA)			
								L	T	Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)
PCC	NYFS201	Forensic Chemistry - II	3	-	-	-	6	3	50	50	-	-	100
PCC	NYFS202	Forensic Biology and Serology	3	-	-	-	6	3	50	50	-	-	100
PCC	NYFS203	Basics of Forensic Physics	3	-	-	-	6	3	50	50	-	-	100
MDM	NYCHM_	Minor - I	2	-	-	-	4	2	50	50	-	-	100
OE	NSSO_	Open Elective – II (SWAYAM)	4	-	-	-	8	4	-	100	-	-	100
VSEC/PCC	NYFS211	Forensic Chemistry Laboratory - II	-	-	4	-	4	2	-	-	50	50	100
VSEC/PCC	NYFS212	Forensic Biology and Serology Laboratory	-	-	4	-	4	2	-	-	50	50	100
VSEC/PCC	NYFS213	Basic of Forensic Physics Laboratory	-	-	2	-	2	1	-	-	50	50	100
AEC- II	NHSA...	Ability Enhancement Course - II	-	-	4	-	-	2	-	-	50	50	100
VEC - II	NSSV...	Value Education Course - II	2	-	-	-	-	2	50	50	-	-	100
CC - II	NSSC...	Co-curricular Course - II	-	-	4	-	-	2	-	-	50	50	100
Total			17	-	18	-	-	26	250	350	250	250	1100

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Programme Name : B.Sc. Forensic Science													
Programme Code:									With Effect From Academic Year: 2025-26				
Duration of Programme: 3 Years/ Honours													
Semester: III (Level 5.0)													
Course Category	Course Code	Course Title	Scheme of Study (Hours/Week)						Assessment Scheme (Marks)				Total Marks (TA+LA)
			Classroom Instruction (CI)		Lab Instruction (LI)	Hours (CIA+SL)	Total Notional Hours (CI+LI+CIA+SL)/ for 15 weeks)	Total Credits (C)	Theory Assessment (TA)		Lab Assessment (LA)		
			L	T					Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	
PCC	NYFS301	Forensic Dermatoglyphics	3	-	-		6	3	50	50	-	-	100
PCC	NYFS302	Criminology and Psychology	3	-	-		6	3	50	50	-	-	100
PCC	NYFS303	Trace Evidence Analysis	3	-	-		6	3	50	50	-	-	100
MDM	NYCHM_	Minor – II	4	-	-		8	4	50	50	-	-	100
OE	NSSO_	Open Elective – III	2	-	-		4	2	-	100	-	-	100
VSEC/PCC	NYFS311	Forensic Dermatoglyphics Laboratory	0	-	2		2	1	-	-	50	50	100
VSEC/PCC	NYFS312	Forensic Psychology Laboratory	0	-	2		2	1	-	-	50	50	100
VSEC/PCC	NYFS313	Trace Evidence Analysis Laboratory	0	-	2		2	1	-	-	50	50	100
AEC- III	NHSA12	Ability Enhancement Course - III	0	-	4		-	2	-	-	50	50	100
FP	NYFS314	Field Project	0	-	4		4	2	-	-	50	50	100
CC- III	NSSC_	Co - curricular Course - III	0	-	4		-	2	-	-	50	50	100
Total			15	-	18	-	-	24	200	300	300	300	1100

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Programme Name : B.Sc. Forensic Science													
Programme Code:									With Effect From Academic Year: 2025-26				
Duration of Programme: 3 Years/ Honours													
Semester: IV (Level 5.0)													
Course Category	Course Code	Course Title	Scheme of Study (Hours/Week)						Assessment Scheme (Marks)				Total Marks (TA+LA)
			Classroom Instruction (CI)		Lab Instruction (LI)	Hours (CIA+ SL)	Total Notional Hours (CI+LI+CIA+ SL)/ for 15 weeks)	Total Credits (C)	Theory Assessment (TA)		Lab Assessment (LA)		
			L	T					Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	
PCC	NYFS401	Forensic Anthropology	3	-	-		-	3	50	50	-	-	100
PCC	NYFS402	Forensic Medicine	3	-	-		-	3	50	50	-	-	100
PCC	NYFS403	Digital Forensic - I	3	-	-		-	3	50	50	-	-	100
MDM	NYCHM_	Minor – III	4	-	-		-	4	50	50	-	-	100
OE	NSSO_	Open Elective – IV (SWAYAM)	2	-	-		-	2	-	100	-	-	100
VSEC/ PCC	NYFS411	Forensic Anthropology Laboratory	0	-	4		-	2	-	-	50	50	100
VSEC/ PCC	NYFS412	Forensic Medicine Laboratory	0	-	4		-	2	-	-	50	50	100
VSEC/ PCC	NYFS413	Digital Forensic Laboratory - I	0	-	2		-	1	-	-	50	50	100
AEC- IV	NHSA12	Ability Enhancement Course - IV	0	-	4		-	2	-	-	50	50	100
CEP	NYFS414	Community Engagement Programme	0	-	4		-	2	-	-	50	50	100
CC- IV	NSSC_	Co - curricular Course - IV	0	-	4		-	2	-	-	50	50	100
Total			15	-	22		-	26	200	500	300	300	1100

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Programme Name : B.Sc. Forensic Science													
Programme Code:									With Effect From Academic Year: 2025-26				
Duration of Programme: 3 Years/ Honours													
Semester: V (Level 5.5)													
Course Category	Course Code	Course Title	Scheme of Study (Hours/Week)						Assessment Scheme (Marks)				Total Marks (TA+LA)
			Classroom Instruction (CI)		Lab Instruction (LI)	Hours (CIA+SL)	Total Notional Hours (CI+LI+CIA+SL)/ for 15 weeks)	Total Credits (C)	Theory Assessment (TA)		Lab Assessment (LA)		
			L	T					Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	
PCC	NYFS01	Fundamentals of Questioned Document Examination	2	-	-	2	4	2	50	50	-	-	100
PCC	NYFS02	Analytical Techniques in Forensics	3	-	-	3	6	3	50	50	-	-	100
PCC	NYFS03	Digital Forensics - II	3	-	-	3	6	3	50	50	-	-	100
ME	NYFSE_	Major Elective - I	4	-	-	4	8	4	50	50	-	-	100
MDM	NYCHM..	Minor – IV	4	-	-	4	8	4	50	50	-	-	100
VSEC/PCC	NYFS511	Questioned Document Examination Laboratory	-		2	-	2	1			50	50	100
VSEC/PCC	NYFS512	Analytical Techniques in Forensics Laboratory	-	-	4	-	4	2	-	-	50	50	100
VSEC/PCC	NYFS513	Digital Forensics Laboratory - II	-	-	2	-	2	1			50	50	100
VSEC/PCC	NYFS514	Quality Management in Forensics Laboratory	-	-	2	-	2	1	-	-	50	50	100
AEC- V	NHSA...	Ability Enhancement Course - V	-	-	4	2	4	2	-	-	50	50	100
CEP	NYFS515	Community Engagement Programme	-	-	4	-	4	2	-	-	50	50	100
Total			16	-	18	18	50	25	250	250	300	300	1100

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	Programme Name : B.Sc. Forensic Science														
	Programme Code:										With Effect from Academic Year: 2025-26				
	Duration of Programme: 3 Years/Honours														
	Semester: VI (Level 5.5)														
Course Category	Course Code	Course Title		Scheme of Study (Hours/Week)						Assessment Scheme (Marks)				Total Marks (TA+LA)	
					Classroom Instruction (CI)		Lab Instruction (LI)	Hours (CIA+ SL)	Total Notional Hours (CI+LI+CIA+ SL)/ for 15 weeks)	Total Credits (C)	Theory Assessment (TA)		Lab Assessment (LA)		
					L	T					Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	Continuous Internal & Self-Learning Assessment (CIAs & SL)		End Semester Examination (ESE)
PCC	NYFS601	Forensic Toxicology		3	-	-		6	3	50	50	-	-	100	
PCC	NYFS602	Forensic Ballistics		3	-	-		6	3	50	50	-	-	100	
PCC	NYFS603	Forensic Psychology		3	-	-		6	3	50	50	-	-	100	
ME	NYFSE_	Major Elective - II		4	-	-		8	4	50	50	-	-	100	
MDM	NYCHM..	Minor – V		4	-	-		8	4	50	50	-	-	100	
VSEC/ PCC	NYFS611	Forensic Toxicology Laboratory		0	-	4		4	2	-	-	50	50	100	
VSEC/ PCC	NYFS612	Forensic Ballistic Laboratory		0	-	4		4	2			50	50	100	
VSEC/ PCC	NYFS613	Forensic Psychology Laboratory		0	-	2		2	1	-	-	50	50	100	
OJT	NYFS614	On Job Training		0	-	8		-	4	-	-	50	50	100	
Total				17	-	18		-	26	250	250	200	200	900	

School of Science
Course Structure-B.Sc. Forensic Science

	Programme Name : B.Sc. Forensic Science (Honours)												
	Programme Code:										With Effect from Academic Year: 2026-27		
	Duration of Programme: <u>B.Sc.</u> Honours												
	Semester: VII (Level 6.0)												
Course Category	Course Code	Course Title	Scheme of Study (Hours/Week)						Assessment Scheme (Marks)				Total Marks (TA+LA)
			Classroom Instruction (CI)		Lab Instruction (LI)	Hours (CIA + SL)	Total Notional Hours (CI+LI+CIA+SL) / for 15 weeks)	Total Credits (C)	Theory Assessment (TA)		Lab Assessment (LA)		
			L	T					Continuo us Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	Continuou s Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	
PCC	NYFS701	Wildlife Forensics and Forensic Entomology	4	-	-	4	8	4	50	50	-	-	100
PCC	NYFS702	Forensic Biochemistry	4	-	-	4	8	4	50	50	-	-	100
PCC	NYFS703	Forensic Statistics and Accounting	4	-	-	4	8	4	50	50	-	-	100
ME	NYFSE...	Major Elective - III	4	-	-	4	8	4	50	50	-	-	100
MDM	17RDP101	Research Methodology	4	-	-	4	8	4	50	50	-	-	100
VSEC/ PCC	NYFS711	Wildlife Forensics and Forensic Entomology Laboratory	-	-	2	-	2	1			50	50	100
VSEC/ PCC	NYFS712	Forensic Biochemistry Laboratory	-	-	2	-	2	1	-	-	50	50	100
Total			20	-	4	20	44	22	250	250	100	100	700

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Course Structure-B.Sc. Forensic Science

	Programme Name : B.Sc. Forensic Science (Honours)													
	Programme Code:										With Effect From Academic Year: 2026-27			
	Duration of Programme: <u>B.Sc.</u> Honours													
	Semester: VIII (Level 6.0)													
Course Category	Course Code	Course Title		Scheme of Study (Hours/Week)						Assessment Scheme (Marks)				Total Marks (TA+LA)
				Classroom Instruction (CI)		Lab Instruction (LI)	Hours (CIA + SL)	Total Notional Hours (CI+LI+CIA+ SL)/ for 15 weeks)	Total Credits (C)	Theory Assessment (TA)		Lab Assessment (LA)		
				L	T					Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	
PCC	NYFS801	Forensic Genomics and Bioinformatics		4	-	-	4	8	4	50	50	-	-	100
PCC	NYFS802	Applied Forensic DNA Profiling		4	-	-	4	8	4	50	50	-	-	100
PCC	NYFS803	Multimedia Forensic		4	-	-	4	8	4	50	50	-	-	100
ME	NYFSE...	Major Elective - IV		4	-	-	4	8	4	50	50	-	-	100
VSEC/ PCC	NYFS811	Forensic Genomics, Bioinformatics and DNA profiling Laboratory		-	-	2	-	2	1	-	-	50	50	100
VSEC/ PCC	NYFS812	Multimedia Forensic Laboratory		-	-	2	-	2	1			50	50	100
OJT	NYFS813	On Job Training		-	-	8	-	8	4	-	-	50	50	100
Total				16	-	12	16	44	22	200	200	150	150	700

BASKETS

ABILITY ENHANCEMENT COURSE (AEC) BASKET

Sr. No.	COURSE CODE	NAME OF THE COURSE	SEMESTER
1	NHSA01	Communicative English	I
2	NHSA06	Organizational Behavior	
3	NHSA07	Journalistic writing	
4	NHSA05	Elementary Marathi	
5	NHSA09	Linguaskills 1	
6	NHSA02	Personality Development and Soft Skills	II
7	NHSA08	Creative Writing	
8	NHSA03	Value Education	
9	NHSA04	Introduction to Sanskrit	
10	NHSA10	Linguaskills 2	
11	NSSA01	IP and Scientific writing	III
12	NSSA02	Data analysis and interpretation	
13	NSSA03	Publication Ethics	
14	NHSA11	Key Competencies for Career Growth	
15	NSSA04	Scientific policies and practices	IV
16	NSSA05	Literature and Publication	
17	NSSA06	Scientific media	
18	NHSA12	Strategic Communication for Professionals (Advanced)	
19	NHSA13	Essential Aptitude Skills	V

VALUE EDUCATION COURSE (VEC) BASKET

Sr.No.	COURSE CODE	NAME OF THE COURSE	SEMESTER
1	NSSV02	Sustainable Development	I
2	NLWV01	The Constitution and Human Rights	
3	NSSV03	Scientific Ethics	
4	NSSV04	Science and Society	II
5	NSSV05	Waste to Wealth	
6	NSSV01	Environmental Studies	

INDIAN KNOWLEDGE SYSTEM (IKS) BASKET

Sr.No.	COURSE CODE	NAME OF THE COURSE	SEMESTER
1	NSSI01	Ethnomedicine	I
2	NSSI02	Vedic Mathematics	
3	NSSI03	Nature as Medicine	
4	NSSI04	Ancient World and Modern Science	
5	NSSI05	Science and Spirituality	

CO-CURRICULAR COURSE (CC) BASKET

Sr.No.	COURSE CODE	NAME OF THE COURSE	SEMESTER
1	NSSC01	Physical Education and Mental Health	I
2	NYCM112	Yoga Meditation	
3	NSSC02	Ethics and Human Rights	II
4	NSSC03	SUN / Science Clubs	
5	NSSC04	Food Adulteration	
6	NSSC05	Bio-media	
7	NSSC06	Wild Life Photography	III
8	NSSC07	Awareness and Recycling of Plastic	
9	NSSC08	Health and Hygiene	
10	NSSC13	Mathematics for Environmental Studies	
11	NSSC09	Courtroom Strategies and Tactics	IV
12	NSSC10	Scientific Journalism	
13	NSSC11	Organic and Residue Free Farming	
14	NSSC12	Soil and water analysis	
15	NSSC13	SUN Clubs	

OPEN ELECTIVE (OE) BASKET

Sr.No.	COURSE CODE	NAME OF THE COURSE	SEMESTER
1	NSSO01	Fundamentals of Statistics	I
2	NSSO02	Introduction to Nano science and Nanotechnology	
3	NSSO03	Diseases and Control Measures	II
4	NSSO04	Horticulture	
5	NSSO....	SWAYAM	
6	NSSO....	SWAYAM	III
7	NSSO....	SWAYAM	IV

MINOR COURSES

Note: Student from B.Sc. (Forensic Science) with minor in Chemistry shall have following Courses

Sr.No.	COURSE CODE	NAME OF THE COURSE	SEMESTER
1	NYCHM01	Fundamentals of Chemistry	II
2	NYCHM11 / NYCHM02	Basics of Organic Chemistry	III
3	NYCHM12 /NYCHM03	Basics of Analytical Chemistry	IV
4	NYCHM13 /NYCHM04	Basics of Inorganic Chemistry	V
5	NYCHM14 / NYCHM05	Advanced Analytical Chemistry	VI

MAJOR ELECTIVE BASKET
(B.Sc Forensic Science)

Sr.No.	MAJOR ELECTIVE	COURSE CODE	NAME OF THE COURSE	SEMESTER
1	Major Elective I	NYFSE01	Homeland Security and Forensic Science	V
2		NYFSE02	Emerging Technologies in Forensic Science	
3		NYFSE03	Advance Imaging and Crime Scene Reconstruction	
5	Major Elective II	NYFSE04	AI and Digital Evidence Analysis	VI
6		NYFSE05	Forensic Biometric and Facial Recognition	
7		NYFSE06	Forensic Pharmacology	
9	Major Elective III	NYFSE07	Forensic Audio and Linguistic Analysis	VII
10		NYFSE08	Microbial Forensic	
11		NYFSE09	Cold Case Investigation Techniques	
13	Major Elective IV	NYFSE10	Surveillance & Intelligence Techniques	VIII
14		NYFSE11	Radiation & Nuclear Forensics	
15		NYFSE12	Forensic Graphology	