

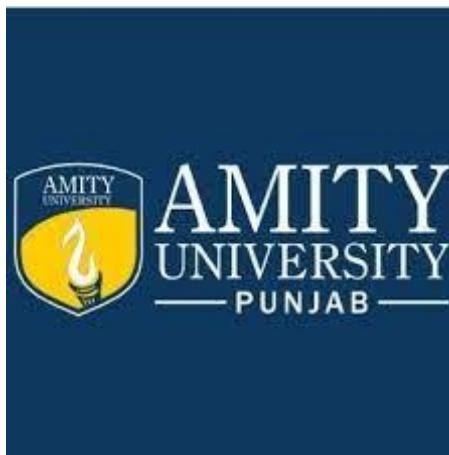
Integrated B.Sc. & M.Sc. Forensic Science (5 year) 2024-2029

Program Structure & Syllabus

B.Sc. + M.Sc. Forensic science

(5 years Integrated program)

Batch 2024-2028



Amity School of Forensic science

Block-1, Sector 82 A, IT City Rd, Block D,

Sahibzada Ajit Singh Nagar, Punjab 140306

Integrated B.Sc. & M.Sc. Forensic Science (5 year) 2024-2029

Integrated B.Sc. & M.Sc. Forensic Science (5 year)							
Semester-wise Distribution of Courses				Semester 3			
S. No.	Course Title	Course Code	Course Type	Credits (16-18)			Credit Units
				L	T	P	
1.	Inorganic Chemistry I		Core	3	0	4	5
2.	Basics of Zoology		Core	3	0	4	5
3.	Fundamentals of Quantum Physics		Core	3	0	4	5
4.	Digital and cyber forensics		Specialisation course	3	0	4	5
5.	Criminal Justice System		Allied course	4	0	0	4
							24

Integrated B.Sc. & M.Sc. Forensic Science (5 year)							
Semester-wise Distribution of Courses				Semester 4			
S. No.	Course Title	Course Code	Course Type	Credits (16-18)			Credit Units
				L	T	P	
1.	Inorganic Chemistry II		Core	3	0	4	5
2.	Basics of Microbiology		Core	3	0	4	5
3.	Atomic and Molecular Physics		Core	3	0	4	5
4.	Wildlife Forensics		Core	3	0	0	3
5.	Fundamentals of Question Document		Allied course	4	0	4	6
							24

Integrated B.Sc. & M.Sc. Forensic Science (5 year) 2024-2029

Integrated B.Sc. & M.Sc. Forensic Science (5 year)							
Semester-wise Distribution of Courses				SEMESTER 5			
S. No.	Course Title	Course Code	Course Type	Credits (16-18)			Credit Units
				L	T	P	
1.	Physical Chemistry I		Core	3	0	2	4
2.	Fundamentals of Forensic Chemistry		Core	3	0	2	4
3.	Research Methodology		Core	4	0	0	4
4.	Analytical Techniques in Forensic science		Core	2	0	0	2
5.	Forensic Dermatoglyphics		SPE	4	0	2	5
6.	Forensic Anthropology		SPE	3	0	0	3
7.	Skill component		Skill component	2	0	0	2
							24

Integrated B.Sc. & M.Sc. Forensic Science (5 year)							
Semester-wise Distribution of Courses				SEMESTER 6			
S. No.	Course Title	Course Code	Course Type	Credits (16-18)			Credit Units
				L	T	P	
1	Forensic Ballistics		Core	4	0	2	5
2	Fundamentals of Biology and Serology		Core	4	0	2	5
3	Physical Chemistry II		Core	2	0	0	2
4	Forensic Medicine		SPE	4	0	0	4
5	Forensic Toxicology		SPE	4	0	4	6
6	Skill component		Skill component	2	0	0	2
							24

Integrated B.Sc. & M.Sc. Forensic Science (5 year) 2024-2029

Integrated B.Sc. & M.Sc. Forensic Science (5 year)							
Semester-wise Distribution of Courses				SEMESTER 7			
S. No.	Course Title	Course Code	Course Type	Credits (16-18)			Credit Units
				L	T	P	
1	Forensic Photography		Core	4	0	0	4
2	Introduction to Biometrics		Core	4	0	0	4
3	Open Elective		OE	4	0	0	4
4	Dissertation		NTCC	0	0	24	12
							24

Integrated B.Sc. & M.Sc. Forensic Science (5 year)							
Semester-wise Distribution of Courses				SEMESTER 8			
S. No.	Course Title	Course Code	Course Type	Credits (16-18)			Credit Units
				L	T	P	
1.	Quality Management System		Core	4	0	0	4
2.	Dissertation		NTCC	0	0	24	12
3.	Forensic entomology		Specialisation course	4	0	0	4
4.	Open Elective		OE	4	0	0	4
							24

Integrated B.Sc. & M.Sc. Forensic Science (5 year) 2024-2029

Integrated B.Sc. & M.Sc. Forensic Science (5 year)							
Semester-wise Distribution of Courses				SEMESTER 9			
S. No.	Course Title	Course Code	Course Type	Credits (16-18)			Credit Units
				L	T	P	
1.	Economic Offences Investigation		Core	4	0	0	4
2.	Forensic Nursing		SEC	4	0	0	4
3.	Forensic Psychology & Criminal Profiling		AEC	4	0	0	4
4.	Dissertation		NTCC	0	0	24	12
5.	Professional ethics		VAC	1	0	0	1
							25

Integrated B.Sc. & M.Sc. Forensic Science (5 year) 2024-2029

B.Sc. & M.Sc. (H) Forensic Science (5 year)								
Semester -wise Distribution of Courses				Semester 10				
S. No.	Course Code	Course Title	Specialization Group *	Course Type	Credits (16-18)			Credit Units
					L	T	P	
1		Analytical techniques in forensic chemistry	Forensic chemical sciences A	Core	4	0	0	4
2		Forensic pharmacology		SEC	4	0	0	4
3		Explosives and their investigation		AEC	4	0	0	4
1		Analytical techniques in forensic physics	Forensic physical sciences B	Core	4	0	0	4
2		Wound ballistics		SEC	4	0	0	4
3		Advanced questioned documents		AEC	4	0	0	4
1		Analytical techniques in forensic biology	Forensic biological sciences C	Core	4	0	0	4
2		Advanced biology & DNA profiling		SEC	4	0	0	4
3		Advanced forensic Dermatoglyphic		AEC	4	0	0	4
4		Dissertation 1		NTCC	0	0	24	12
5		Professional ethics		VAC	0	0	1	1
		Total Credits						25

SEC: specialization elective course- Students has to select any one of the specialization from group A,B or C with three subjects only.

Integrated B.Sc. & M.Sc. Forensic Science (5 year) 2024-2029

Semester-Wise Programme structure for Integrated B.Sc. & M.Sc. Forensic Science (5 year)										
Sr. No.	Year 1		Year 2		Year 3		Year 4		Year 5	
	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8	Semester 9	Semester 10
1	Organic Chemistry -I [CU:5, L-3, P-4] {CC}	Organic Chemistry -II [CU:5, L-3, P-4] {CC}	Inorganic Chemistry-I [CU:5, L-3, P-4] {CC}	Inorganic Chemistry-II [CU:5, L-3, P-4] {CC}	Physical Chemistry -I [CU:5, L-3, P-4] {CC}	Forensic Ballistics [CU:5, L-4, P-2] {CC}	Forensic Photography [CU:4, L-4] {CC}	Quality Management System [CU:4, L-4] {CC}	Economic offences [CU:4, L-4] {CC}	Forensic Chemical Sciences/ Physical Sciences/ Biological Sciences [CU:4, L-4] {CC}
2	Basic Human Biology [CU:5, L-3, P-4] {CC}	Basics of Botany [CU:5, L-3, P-4] {CC}	Basics of Zoology [CU:5, L-3, P-4] {CC}	Basics of Microbiology [CU:5, L-3, P-4] {CC}	Fundamentals of Forensic Chemistry [CU:5, L-3, P-4] {CC}	Fundamentals of Biology and Serology [CU:5, L-4, P-2] {CC}	Introduction to Biometrics [CU:4, L-4] {CC}	Dissertation [CU:12, P24] {NTCC}	Forensic Nursing [CU:4, L-4] {CC}	Forensic Chemical Sciences/ Physical Sciences/ Biological Sciences [CU:4, L-4] {SE}
3	Electricity & Electromagnetic [CU:5, L-3, P-4] {CC}	Wave and Optics [CU:5, L-3, P-4] {CC}	Fundamental of Quantum Physics [CU:5, L-3, P-4] {CC}	Atomic and Molecular Physics [CU:5, L-3, P-4] {CC}	Research Methodology [CU:4, L-4] {CC}	Physical Chemistry II [CU:2, L-5] {CC}	Open Elective [CU:4, L-4] {OE}	Forensic Entomology [CU:4, L-4] {SE}	Forensic Psychology & Criminal Profiling [CU:4, L-4] {CC}	Forensic Chemical Sciences/ Physical Sciences/ Biological Sciences [CU:4, L-4] {AEC}
4	Introduction to Forensic Science [CU:3, L-3] {AC}	Crime Scene Management [CU:4, L-3, P-2] {AC}	Digital and Cyber Forensics [CU:5, L-3, P-4] {SE}	Wildlife Forensics [CU:3, L-3] {AC}	Analytical Techniques in Forensic Science [CU:2, L-2] {cc}	Forensic Medicine [CU:4, L-4] {SPE}	Dissertation [CU:12, P24] {NTCC}	OE [CU:4, L-4] {OE}	Dissertation [CU:12, P24] {NTCC}	Dissertation [CU:12, P24] {NTCC}
5	Mathematics for Life Biosciences [CU:2, L-2] {AC}	Statistics for Biosciences [CU:2, L-2] {SEC}	Criminal Justice System [CU:4, L-4] {AC}	Fundamentals of Questioned Document [CU:6, L-4, P-4] {AC}	Forensic Dermatology [CU:4, L-4, P-2] {SPE}	Forensic Toxicology [CU:6, L-4, P-4] {SPE}	-	-	Professional ethics [CU:1, L-1] {VAC}	Professional ethics [CU:1, L-1] {VAC}
6	Communication skills [CU:1, L-1] {AEC}	Communication skills [CU:1, L-1] {AEC}	-	-	Forensic Anthropology [CU:3, L-3] {SPE}	Skill Component [CU:2, L-2] {SC}	-	-	-	-
7	Behavioral Sciences [CU:1, L-1] {AEC}	Behavioral Sciences-I [CU:1, L-1] {AEC}	-	-	Skill Component [CU:2, L-2] {SC}	-	-	-	-	-

Integrated B.Sc. & M.Sc. Forensic Science (5 year) 2024-2029

8	Foreign Language [CU:1, L-1] {AEC}	Foreign Language [CU:1, L-1] {AEC}	-	-	-	-	-	-	-	-
9	PL/HCP [CU:1, L-1] {AEC}	PL/HCP [CU:1, L-1] {AEC}	-	-	-	-	-	-	-	-
10		Environmental Science [CU:1, L-1] {AEC}								
Credits	24	25	24	24	24	24	24	24	25	25
Total Programme Credits										195