



TECHNO INDIA UNIVERSITY
WEST BENGAL

**Course Structure
(2025-2027)**

For

**Two years
(Four semesters)**

**M.Sc. Program
in
Forensic Science**

Department of Forensic Science



**Course Curriculum
Semester I**

Course Code	Course Title	Contact Hrs. / Week			Credit
		L	T	P	
Theory					
TIU-PFS-S101	Career Advancement Skill Development (CASD)	3	1	0	3
TIU-PFS-T101	Introduction to Forensic Science	3	1	0	3
TIU-PFS-T103	Statistics & Mathematics	3	1	0	3
TIU-PFS-T105	Photography, Crime Scene Investigation and Reconstruction	3	1	0	3
TIU-PFS-T107	Fundamentals of Fingerprint Examination OR Fundamentals of AI mediated Finger print tracking/examination	3	1	0	3
Practical					
TIU-PFS-L101	*Forensic Lab Course-I	0	0	4	2
TIU-PFS-L103	**Forensic Lab Course-II	0	0	4	2
TIU-PES-S195	Entrepreneurship Skill Development (ESD)	0	2	0	2
Total Credit					21

Note: *: based on crime scene investigation

**: based on finger printing examination

Please note that the above course structures are followed as per standard format. The codes are given in our format system. Here, the codes are TIU-PFS-T101/103/105 so on; it means P stands for PG program followed by FS (forensic science). Since the program begins in autumn semester (odd semester) all the numeric values of the codes are in odd number. In the numeric section for example 101, 1 stands for 1st year and 01 stands for the respective course.

Kindly note that the given codes are arbitrary needs to be ascertained from COE section for the available numeric codes.



Semester II

Course Code	Course Title	Contact Hrs. / Week			Credit
		L	T	P	
Theory					
TIU-PFS-S102	Career Advancement Skill Development (CASD)	3	0	0	3
TIU-PFS-T102	Forensic Biology	3	1	0	3
TIU-PFS-T104	Forensic Chemistry	3	1	0	3
TIU-PFS-T106	Forensic Physics	3	1	0	3
TIU-PFS-T108	Criminology, Criminal Law & Police Science	3	1	0	3
Practical					
TIU-PFS-L102	Forensic Biology Lab	0	0	4	2
TIU-PFS-L104	Forensic Chemistry Lab	0	0	4	2
TIU-PFS-L106	Forensic Physics Lab	0	0	4	2
Sessional					
TIU-PES-S196	Entrepreneurship Skill Development (ESD)	0	2	0	2
Total Credits					23



Semester III

Course Code	Course Title	Contact Hrs. / Week			Credit
		L	T	P	
Theory					
TIU-PFS-S201	Career Advancement Skill Development (CASD)	3	0	0	3
TIU-PFS-T201	Cyber Forensics & Digital Evidence	3	1	0	3
TIU-PFS-T203	Forensic Toxicology and Drug Analysis	3	1	0	3
TIU-PES-T205	Forensic analytical chemistry & instrumentation-I	3	1	0	3
TIU-PFS-T207	Specialization Paper-I	3	1	0	3
TIU-PFS-T209	Specialization Paper-II	3	1	0	3
TIU-PFS-T211	Forensic Psychology	3	1	0	3
TIU-PFS-T213	Handwriting and Sketch analyst				
TIU-PFS-T215	Environmental Forensic				
TIU-PFS-T217	Forensic pathology				
Practical					
TIU-PFS-L201	Cyber and Digital Forensics Lab	0	0	4	2
TIU-PFS-L203	Forensic Anthropology & Odontology Lab	0	0	4	2
TIU-PFS-L205	Forensic Toxicology and Drug analysis	0	0	4	2
Sessional					
TIU-PES-S295	Entrepreneurship Skill Development (ESD)	0	2	0	2
Total Credits					29

Specialization paper-I & II

TIU-PFS-T205: Forensic Serology and DNA fingerprinting

TIU-PFS-T207: Forensic Anthropology and Odontology

Elective Paper-I

TIU-PFS-T209: Forensic Psychology

TIU-PFS-T211: Handwriting, Sketch and Voice analyst

TIU-PFS-T213: Environmental Forensic

TIU-PFS-T215: Forensic Pathology



Semester IV

Course Code	Course Title	Contact Hrs. / Week			Credit
		L	T	P	
Theory					
TIU-PFS-S202	Career Advancement Skill Development (CASD)	3	0	0	3
TIU-PFS-T202	Forensic analytical chemistry & instrumentation-II	3	1	0	3
TIU-PFS-T204	Forensic Immunological Techniques	3	1	0	3
TIU-PFS-T206	Forensic genomics and proteomics	3	1	0	3
TIU-PFS-T208	Specialization paper-III	3	1	0	3
TIU-PFS-T210	Specialization paper-IV	3	1	0	3
TIU-PFS-T212	Forensic Questioned Documents	3	1	0	3
TIU-PFS-T214	Forensic Photography and Biometrics				
TIU-PES-T216	Audio recognition and Video analysis				
TIU-PES-T218	Forensic Accounting				
TIU-PES-T220	Project	0	0	14	7
Sessional					
TIU-PES-S296	Entrepreneurship Skill Development (ESD)	0	2	0	2
Total Credits					30

Specialization Paper: III & IV

TIU-PFS-T208: Forensic Ballistics

TIU-PFS-T210: Cyber law, risk and compliance

***Elective paper-II**

TIU-PFS-T212: Forensic Questioned Documents

TIU-PFS-T214: Forensic Photography and Biometrics

TIU-PES-T216: Audio recognition and Video analysis

TIU-PES-T218: Forensic Accounting

Out of 4 elective papers, student may opt for any two.

Elective paper is required as per the recent mandate of UGC post NEP (National Education Policy), 2020.