



Karmaveer Bhaurao Patil University, Satara
Faculty of Science and Technology

B. Sc. (Forensic Science)

Programme and Credit Structure as per NEP 2020

{Ref. Government of Maharashtra letter no. एनइपी.२०२२/ .क.०९/वश-३शकानादनांक: १३
मार्च२०२४}

The degree shall be titled as 'Bachelor of Science (Forensic Science) under the faculty of Science and Technology

B. Sc. Sem. I & II from Academic Year 2024-25

B. Sc. Sem. III & IV from Academic Year 2025-26

B. Sc. Sem. V & VI from Academic Year 2026-27

B. Sc. Sem. VII & VIII from Academic Year 2027-28

Programme Outcomes for B. Sc.

PO. No.	Programme Outcomes After completing B. Sc. Programme the students will be able to.....
PO-1	develop a scientific attitude among the students and to make the students open-minded, critical, and curious.
PO-2	develop skills in practical work, experiments, and laboratory materials.
PO-3	understand scientific terms, concepts, facts, phenomenon, and their relationships.
PO-4	make the students aware of natural resources and the environment.
PO-5	work for government agencies, research institutions, or environmental organizations.
PO-6	make the students aware of environment-sustainable goals.
PO-7	enable the students to acquire knowledge of techniques and related subjects so as to apply them for the benefit of human beings.
PSO. NO	Programme Specific Outcomes After completing B. Sc. (Forensic Science) Programme the students will be able to.....
PSO-1	Discuss and ask questions related to the different aspects of forensic sciences.
PSO-2	Perform experiments and projects related to forensic biology.

PSO-3	Critically analyzes and perform the forensic cases.
PSO-4	Apply the knowledge of computer forensic for solving the cybercrime of the society.
PSO-5	Apply the knowledge of forensic science in becoming self- reliant either through entering into a job, establishing a forensic lab set up or initiating a Forensic based entrepreneurial venture.
PSO-6	Explain, describe and discuss the concepts of forensic sciences.
PSO-7	Perform and design experiments related to forensic chemistry.
PSO-8	Decide and Undertake a project based on forensic sciences.
PSO-9	Attain skills needed in the investigation based industries through an internship.
PSO-10	Improve the research based skills by entering into a research internship as well as in house project.
PSO-11	Present their research findings in research conglomerations like conferences and in research journals in the form of publications.
PSO-12	Critically analyze their role as a forensic expert oriented citizen.

Semester, Credit Framework, NSQF Level and Exit Points

Sr. No.	Semester	Year	Year	Credits	Level	Exit Points & Award
1	Sem. I & II	2024-25	1Year	44	4.5	UG Certificate in Forensic Science
2	Sem. III & IV	2025-26	2Year	88	5.0	UG Diploma in Forensic Science
3	Sem. V & VI	2026-27	3Year	132	5.5	B. Sc. in Forensic Science (UG Three Year Degree)
4	Sem. VII & VIII	2027-28	4Year	176	6.0	B. Sc. in Forensic Science [Honors/Research] (UG Four Year Degree)

Credit Distribution

Sr. No.	Course	3 Year Degree Programme			4 Year Honors Degree Programme			4 Year Honors with Research Degree Programme		
		Courses	Credits	%	Courses	Credits	%	Courses	Credits	%
		(3 Yr)	(3 Yr)		(4 Yr)	(4 Yr)		(4 Yr)	(4 Yr)	
1	Major	26	52	39.39	34	80	45.45	32	72	40.91
2	Elective	04	08	6.06	08	16	9.09	08	16	9.09

3	IKS	02	04	3.03	02	04	2.27	02	04	2.27
4	VSC	04	08	6.06	04	08	4.55	04	08	4.55
5	FP	01	02	1.52	01	02	1.14	01	02	1.14
6	OJT	01	04	3.03	02	08	4.55	01	04	2.27
7	RP	00	00	0.00	00	00	00	02	12	6.82
8	SEC	03	06	4.55	03	06	3.41	03	06	3.41
9	CEP	01	02	1.52	01	02	1.14	01	02	1.14
Total (Major) (A)		42	86	65.15	55	126	71.59	54	126	71.59
1	Minor & RM	12	24	18.18	13	28	15.91	13	28	15.91
Total (Minor) (B)		12	24	18.18	12	28	15.91	13	28	15.91
1	OE	04	08	6.06	04	08	4.55	04	08	4.55
2	AEC	04	08	6.06	04	08	4.55	04	08	4.55
3	VEC	02	04	3.03	02	04	2.27	02	04	2.27
4	CC	01	02	1.52	01	02	1.14	01	02	1.14
Total (C)		11	22	16.67	11	22	12.50	11	22	12.50
Grand Total (A+B+C)		65	132	100	79	176	100	78	176	100

Duration:

The program shall be a full-time program.

The duration of program shall be three years for Bachelor of Science in Forensic science and four years for Bachelor of Science in Forensic science with Honors or Bachelor of Science in Forensic science with Research.

Every year students will have exist option with:

(1st Year: Certificate, 2nd Year: Diploma, 3rd Year: Degree, 4th Year: Honors / Research)

These students are allowed to re-enter the degree program within three years and complete the degree program within the stipulated maximum period of Seven Years.

Eligibility: 12th Pass with Science, or equivalent.

Medium of Instruction: The medium of instructions shall be in English.

Scheme of Examination & Standard of Passing (CCE and ESE):

End Semester Exam (ESE): 30 Marks (Min 12 Marks for Passing)

Continuous Comprehensive Evaluation (CCE): 20 Marks (Min 08 Marks for Passing)

Total Marks = 50 Marks

Minimum 40% Marks Required for Passing and there is separate head of Passing for End Semester Examination (ESE) and Continuous Comprehensive Evaluation (CCE).

Scheme of Examination & Standard of Passing for ESE and CCE:

As per the decision of the concern Board of Studies or Competent Authority.

A candidate who acquire 32 credits or more during semester – I & II shall be admitted to B. Sc. II (appear for semester – III & IV examination).

However the candidate shall not be admitted to B.Sc. III (Semester - V) unless he/she passed in all the subjects at B.Sc. I (Semester - I & Semester - II) and acquire 32 credits or more during semester – III & IV.

However the candidate shall not be admitted to B. Sc. IV (Semester - VII) unless he/she passed in all the subjects at B. Sc. I, II & III.

However under the National Education Policy the rules extended by KBP University, time to time regarding ATKT will be applicable.

Eligibility of the Core Faculty:

As per rules and regulations of Karmaveer Bhaurao Patil University, Satara and Govt. of Maharashtra.

Eligibility for Professor of Practice or Professional Trainer:

Any other eligibility as per the guidelines and regulations passed by concern board of studies, academic council of the autonomous college and rules & regulations of Karmaveer Bhaurao Patil University, Satara and Government of Maharashtra and UGC norms.



Karmaveer Bhaurao Patil University, Satara
Faculty of Science and Technology

B. Sc. (Forensic Science)

Part-I

Semester I				
Sr. No.	Components	Course Code	Course	Credits
1	C-I	BFST 111	Basics of forensic science I (P-I)	02
	C-I	BFST 112	Basics of computer and digital forensic I (P-II)	02
	C-I	BFSP 113	Practical Based on BFST 111 and BFST 112	02
2	C-II	BFST 111	Basics of forensic chemistry and physics I (P-I)	02
	C-II	BFST 112	Basics of forensic biology and psychology I (P-II)	02
	C-II	BFSP 113	Practical Based on BFST 111 and BFST 112	02
3	C-III	BFST 111	Criminology I (P-I)	02
	C-III	BFST 112	Law I (P-II)	02
	C-III	BFSP 113	Practical Based on BFST 111 and BFST 112	02
4	OE 1	BFSTOE 1	Introduction to Psychology (P-I)	02
5	IKS 1	BFSTIKS 1	Introduction to Indian Knowledge System	02
Total				22
Semester II				
Sr. No.	Components	Course Code	Course	Credits
1	C-I	BFST 121	Basics of forensic science II (P-III)	02
	C-I	BFST 122	Basics of computer and digital forensic II (P-IV)	02
	C-I	BFSP 123	Practical Based on BFST 121 and BFST 122	02
2	C-II	BFST 121	Basics of forensic chemistry and physics II (P-III)	02
	C-II	BFST 122	Basics of forensic biology and psychology II (P-IV)	02
	C-II	BFSP 123	Practical Based on BFST 121 and BFST 122	02
3	C-III	BFST 121	Criminology II (P-III)	02
	C-III	BFST 122	Law II (P-IV)	02
	C-III	BFSP 123	Practical Based on BFST 121 and BFST 122	02

4	OE 2	BFSTOE 2	Biopsychology (P-II)	02
5	VEC 1	BFSTVEC 1	Democracy, Election and Indian Constitution	02
Total				22
EXIT OPTION: Award of UG Certificate in Major with 44 credits & an additional 4 credits core NSQF Course/Internship OR Continue with Major & Minor.				

B. Sc. (Forensic Science) Part-II

Semester III				
Sr. No.	Components	Course Code	Course	Credits
1	Major	BFST 231	Advanced Forensic Science I (P-V)	02
2	Major	BFST 232	Advanced Computer and Digital Forensics I (P-VI)	02
3	Major	BFSP 233	Practical Based on BFST 231 and BFST 232	02
4	Minor	BFST 231	Advanced Forensic Chemistry I & Forensic Physics I (P-V)	02
5	Minor	BFST 232	Advanced Forensic Biology I & Forensic Psychology I (P-VI)	02
6	Minor	BFSP 233	Practical Based on BFST 233 and BFST 234	02
7	OE	BFSTOE3	Adolescence Psychology (P-III)	02
8	VSC	BFSPVSC 1	Essential Components in Cyber Security	02
9	SEC	BFSPSEC 1	Handwriting Identification and recognition	02
10	AEC	BFSTAEC 1	English (P-I)	02
11	IKS	BFSTIKS 2	Indian Knowledge System (P-II)	02
Total				22
Semester IV				
Sr. No.	Components	Course Code	Course	Credits
1	Major	BFST 241	Advanced Forensic Science II (P-VII)	02
2	Major	BFST 242	Advanced Computer and Digital Forensics II (P-VIII)	02
3	Major	BFSP 243	Practical Based on BFST 241 and BFST 242	02
4	Minor	BFSP 241	Advanced Forensic Chemistry II & Forensic Physics II (P-VII)	02
5	Minor	BFST 242	Advanced Forensic Biology II & Forensic Psychology II (P-VIII)	02

6	Minor	BFSP 243	Practical Based on BFST 241 and BFST 242	02
7	OE	BFSTOE 4	Psychology of Career Counselling (P-IV)	02
8	VSC	BFSPVSC 2	Cyber Security Threat Landscape	02
9	SEC	BFSPSEC 2	Questioned Document Recognition and Examination	02
10	AEC	BFSTAEC 2	English (P-II)	02
11	VEC	BFSTVEC 2	Environmental Studies	02
Total				22
EXIT OPTION: Award of UG Diploma in Major and Minor with 88 Credits & an additional 4 credits core NSQF Course/ Internship OR Continue with Major & Minor.				

B. Sc. (Forensic Science) Part-III

Semester V				
Sr. No.	Components	Course Code	Course	Credits
1	Major	BFST 351	Applied Forensic Science I (P-IX)	02
2	Major	BFST 352	Applied Forensic Chemistry & Forensic Physics I (P-X)	02
3	Major	BFST 353	Applied Forensic Biology & Forensic Psychology I (P-XI)	02
4	Electives	BFST 354	Applied Computer and Digital Forensic (P-XIIE 1)/ Applied Computer and Digital Forensics I (P-XIIE 2)	02
5	Major Lab	BFSP 355	Forensic Science Practical Lab – V	02
6	Elective Lab	BFSP 356	Forensic Science Elective Lab – I	02
7	VSC	BFSPVSC 3	Reverse Engineering and Malware Detection	02
8	AEC	BFSTAEC 3	English III	02
9	OJT	BFSP OJT 1	On Job Training in Forensic Science I	04
10	CEP	BFSTCEP 1	Community Engagement Programme in Forensic Science	02
Total				22
Semester VI				
Sr.	Components	Course Code	Course	Credits

1	Major	BFST 361	Applied Forensic Science II (P-XIII)	02
2	Major	BFST 362	Applied Forensic Chemistry & Forensic Physics II (P-XIV)	02
3	Major	BFST 363	Applied Forensic Biology & Forensic Psychology II (P-XV)	02
4	Electives	BFST 364	Applied Computer and Digital forensics (P-XVI 1) / Forensic speaker identification (P-XVI 2)	02
5	Major Lab	BFSP 365	Forensic Science Practical Lab – VI	02
6	Elective Lab	BFSP 366	Forensic Science Elective Lab – II	02
7	VSC	BFSPVSC 4	Cloud security and Information security	02
8	SEC	BFSPSEC 3	AI in Forensic Science	02
9	FP	BFSWPEP 1	Field Project in Forensic Science	02
10	CC	BFSTCC 1	Co-curricular Course in Forensic Science	02
11	AEC	BFSTAEC 4	English IV	02
Total				22
EXIT OPTION: Award of UG Degree in Major with 132 credits OR Continue with Major & Minor.				

B. Sc. (Forensic Science) Part-IV Honors Degree

Semester VII				
Sr. No.	Components	Course Code	Course	Credits
1	Major	MFST 471	Forensic Science And Crime Scene Management (P-XVII)	04
2	Major	MFST 472	Criminology And Law (P-XVIII)	04
3	Major	MFST 473	Forensic Ballistics And Explosives (P-XIX)	04
4	Electives	MFST 474	Analytical Instrumental Technique (P-XXE 1)/ Instrumentation (P-XXE 2)	02
5	Major Lab	BFSP 475	Forensic Science Practical Lab – VII	02
6	Elective Lab	BFSP 476	Forensic Science Elective Lab – III	02
7	Minor	BFST 477	Research Methodology	04
Total				22

Semester VIII				
Sr.	Components	Course Code	Course	Credits
1	Major	BFST 481	Fingerprint And Impressions (P-XXI)	04
2	Major	BFST 482	Questioned Document (P-XXII)	04
3	Major	BFST 483	Forensic Physics (P-XXIII)	04
4	Electives	BFST 484	Forensic Chemistry (P-XXIV 1)/ Forensic Toxicology(P-XXIV 2)	02
5	Major Lab	BFST 484	Forensic Science Practical Lab – VIII	02
6	Elective Lab	BFSP 485	Forensic Science Elective Lab – IV	02
7	OJT	BFSP 486	On Job Training in Forensic Science II	04
Total				22
Award of Four year UG Honors Degree in Major and Minor with 176 credits.				

B. Sc. (Forensic science) Part-IV Honors with Research Degree

Semester VII				
Sr. No.	Components	Course Code	Course	Credits
1	Major	BFST 471	Forensic Science And Crime Scene Management (P-XVII)	04
2	Major	BFST 472	Criminology and Law (P-XVIII)	04
3	Electives	BFST 473	Analytical Instrumental Technique (P-XIX 1)/ Instrumentation (P-XIX 2)	04
4	Major Lab	BFSP 474	Forensic Science Practical Lab – VII	02
5	Minor	BFSP 475	Research Methodology	04
6	RP	BFSPRP 1	Research Project in Forensic Science I	04
Total				22
Semester VIII				
Sr. No.	Components	Course Code	Course	Credits
1	Major	BFST 481	Fingerprint And Impressions (P-XX)	04
2	Major	BFST 482	Questioned Document (P-XXI)	04
3	Electives	BFST 483	Forensic Chemistry (P-XXIII 1)/ Forensic Toxicology (P-XXIII 2)	04

4	Major Lab	BFSP 484	Forensic Science Practical Lab – VIII	02
5	RP	BFSPRP 2	Research Project in Forensic Science II	08
Total				22
Award of Four year UG Honors Degree in Major and Minor with 176 credits.				

Chairman
BOS Forensic Science

Secretary
Academic Council

Chairman
Academic Council