



Karmaveer Bhaurao Patil University, Satara
Faculty of Science and Technology
M. Sc. (Forensic Science)

Programme and Credit Structure as per NEP2020

Title: The degree shall be titled as ‘**Master of Science (Forensic Science)**’ under the Faculty of Science and Technology.

M.Sc. Sem. I & II: To be implemented from Academic Year 2024-25

M.Sc. Sem. III & IV: To be implemented from Academic Year 2025-26

Programme Outcomes for M. Sc.

PO. NO.	Programme Outcomes After completing M.Sc. programme the students will be able to..
PO-1	Understand the fundamentals and advancements of subject
PO-2	Study, plan, and conduct experiments in the labs to validate the ideas principles, and theories acquired in the classrooms
PO-3	Enhance scientific knowledge of the subject
PO-4	Define their area of focus in academia, research, and development.
PO-5	Pursue careers in various fields such as science, engineering, education, banking, business, public services, etc. or become an entrepreneur with precision, analytical thinking, innovative ideas, clarity thought, expression, and systematic approach.

PSO. NO	Programme Specific Outcomes After completing M.Sc. (Forensic Science) programme the students will be able to
PSO-1	understand the basics and advances of Forensic Science.
PSO-2	study, plan and perform experiments in the labs to prove the ideas, values and theories learned in the classrooms.
PSO-3	improve scientific knowledge in Forensic Science.

PSO-4	classify their area of attention in academic, research and development.
PSO-5	perform job in various fields like science, investigation, information technology, education, banking, business and public service, etc. or be an entrepreneur with precision, analytical mind, innovative thinking, clarity of thought, expression, and systematic approach.

Semester, Credit Framework NSQF Level and Exit Points

Sr. No	Semester	Year	Year	Credits	Level	Exit Points & Award
1	Sem. I & II	2024-25	1 Year	44	6	PG Diploma (Forensic Science)
2	Sem. III & IV	2025-26	2 Year	44	6.5	PG Degree (Forensic Science)
			Total	88		Master of Science (Forensic Science)

Credit Distribution

Sr. No	Components	1 Year Master Degree Programme			2YearMaster Degree Programme		
		Courses	Credits	%	Courses	Credits	%
	Mandatory Courses	06	24	54.55	12	48	54.55
	Elective Courses	02	04	9.09	04	08	9.09
	Mandatory Practical	02	04	9.09	04	08	9.09
	Elective Practical	02	04	9.09	03	06	6.82
	Research Methodology	01	04	9.09	01	04	4.55
	Research Project	01	04	9.09	02	10	11.36
	OJT	--	--	--	01	04	4.55
	Total (Mandatory)-(A)	09	32	72.73	19	70	79.55
	Elective	04	08	18.18	07	14	15.91
	RM	01	04	9.09	01	04	4.55

	Total - (B)	05	12	27.27	01	04	4.55
	Grand Total (A+B)	14	44	100	27	88	100

Duration:

- The program shall be a full-time program.
- The duration of the program shall be One Year / Two years.
- Students will have to exit option with: - First Year (44 Credits) - PG Diploma
Second Year (88 Credits) - Master Degree

Number of Students: A batch shall consist of not more than 20 students.

Eligibility of the Students:

- Bachelor of Science in Forensic Science.
- Any other eligibility prescribed by UGC, Government of Maharashtra, Karmaveer Bhaurao Patil University, Satara.

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

Eligibility of the Core Faculty:

- **Assistant Professor:** Master of Science with specialization in Forensic Science and NET/ SET/ Ph.D.
- **Associate Professor:** Master of Science in Forensic Science with NET/ SET/Ph.D.
- **Professor:** Master of Science in Forensic Science with NET/ SET/Ph.D.

Eligibility for Professor of Practice or Professional Trainer:

Any other eligibility as per the Guidelines and Regulations Passed by the Board of Concerned Studies, Academic Council of the College / University and Rules and Regulations of Karmaveer Bhaurao Patil University, Satara, Government of Maharashtra, and UGC norms.

Eligibility for Adjunct Professor of Practice or Professional Trainer:

As per eligibility prescribed by UGC.

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

End Semester Exam (ESE): 60 Marks (Min 24 Marks for Passing)

Continuous Comprehensive Evaluation (CCE): 40 Marks (Min 16 Marks for Passing) Total

Marks: 100 Marks for **DSC mandatory courses**.

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 for **DSE elective courses**.

Minimum 40% Marks Required for Passing and there is a separate head of passing as per the decision of the concerned Board of Studies or Competent Authority.

Evaluation of OJT and RP:

- i. OJT: Total 100 marks for 4 credits

(Rubrics: Certificate = max 60 marks, Report = 20 marks, Viva = 20 marks)

- ii. RP: Total 100 marks for 4 credits

(Rubrics: Dissertation = 60 marks, Presentation & Viva = 40 marks)

M.Sc. (Electronics) Part -I				
Semester –I				
Sr. No.	Components	Course Code	Course (Subject)	Credits
1	Mandatory	MFST411	Forensic Science And Crime Scene Management	4
2	Mandatory	MFST412	Criminology And Law	4
3	Mandatory	MFST413	Forensic Ballistics And Explosives	4

4	Electives	MFST414	Analytical Instrumental Technique – E-I or Instrumentation– E-II	2
5	RM	MFST415	Research Methodology	4
6	Mandatory Lab	MFSP416	Forensic Science Practical Course I	2
7	Electives Lab	MFSP417	Forensic Science Practical Course II	2
		-	Total	22
Semester –II				
Sr. No.	Components	Course Code	Course (Subject)	Credits
1	Mandatory	MFST421	Fingerprint And Impressions	4
2	Mandatory	MFST422	Questioned Document	4
3	Mandatory	MFST423	Forensic Physics	4
4	Electives	MFST424	Forensic Chemistry– E-I or Forensic Toxicology– E-II	2
5	RP	MFSP425	Research Project	4
6	Mandatory Lab	MFSP426	Forensic Science Practical Course III	2
7	Electives Lab	MFSP427	Forensic Science Practical Course IV	2
			Total	22

EXIT OPTION: PG Diploma with **44 Credits** after Three Year UG Degree.

M.Sc. (Electronics) Part -II				
Semester –III				
Sr. No.	Components	Course Code	Course (Subject)	Credits
1	Mandatory	MFST531	Forensic Biology, Serology, and DNA Profiling	4
2	Mandatory	MFST532	Forensic Psychology And Criminal Behaviour	4
3	Mandatory	MFST533	Forensic Medicine And Anthropology	4

4	Electives	MFST534	Digital Forensic And Cyber Security- E-I or Chemistry And Toxicology- E-II	2
5	Mandatory Lab	MFSP535	Forensic Science Practical Course V	2
7	RP	MFSP536	Research Project	6
			Total	22
Semester –IV				
Sr. No.	Components	Course Code	Course (Subject)	Credits
1	Mandatory	MFST541	Forensic Nanotechnology	4
2	Mandatory	MFST542	Environmental Forensic	4
3	Mandatory	MFST543	Forensic Accounting & Fraud Investigation	4
4	Electives	MFST544	Digital Forensic And Cyber Security- E-I or Chemistry And Toxicology- E-II	2
5	Mandatory Lab	MFSP545	Forensic Science Practical Course VI	2
6	Electives Lab	MFSP546	Forensic Science Practical Course VII	2
7	OJT	MFSP547	On Job Training	4
			Total	22

****** PG Degree with 88 credits after Three Year UG Degree.**

Chairman
BoS in Forensic Science

Secretary
Academic Council

Chairman
Academic Council