

# **RAKSHA SHAKTI UNIVERSITY**



## **Syllabus**

# **MASTER OF SCIENCE IN FORENSIC SCIENCE**

**[Duration: Two years]**

# **MASTER OF SCIENCE IN FORENSIC SCIENCE**

## **General Guidelines:**

The Programme shall be a two-year full time academic programme in Forensic Science and the Degree shall be called "*Master of science in Forensic Science*".

1. The programme shall be divided into four semester system each of 6 months duration.
2. The candidate seeking admission to the programme must be a graduate in any science stream from a recognized university.
3. Since the number of candidates that can be admitted to the course is limited and fixed, the candidates will be admitted on merit on all India bases. Reservations shall apply as per rules.
4. The Programme and examination Fees and schedule for payment of Fees shall be such as prescribed from time to time by the University.
5. A student will be required to attend not less than 80 % of the lectures delivered and practicals: for becoming eligible to appear in the Term-end Examination. A candidate, who falls short of the prescribed percentage of attendance, shall not be allowed to take the examination.
6. The examination shall be held on such dates as may be fixed by the University.
7. The University reserves the right to frame or adopt or change the rules regarding course curriculum and examination from time to time.
8. The syllabus shall be such, as may be prescribed from time to time.
9. All relevant rules and regulations of the university shall apply to each admitted candidate in the programme.

# **MASTER OF SCIENCE IN FORENSIC SCIENCE**

## **Programme Outline**

### **Semester I**

<b>Paper Code</b>	<b>Courses</b>	<b>Credit</b>	
		<b>L</b>	<b>P</b>
MFS-CC-101	Criminalistics	3	1
MFS-CC-102	Fingerprint & Impression Evidences for Personal Identification	3	1
MFS-CC-103	Forensic Physics	3	1
MFS-CC-104	Forensic Ballistics	3	1
MFS-AEC-111	Research Methodology & Statistics	3	1
MFS-DSE-121	Forensic Photography	1	1
MFS-DSE-122	Forensic & Crime Journalism		
MFS-GE-131	Language & Communication Skills	2	0
MFS-GE-132	Personality Development & Soft Skills		

**Total credits = 24**

### **Semester II**

<b>Paper Code</b>	<b>Courses</b>	<b>Credit</b>	
		<b>L</b>	<b>P</b>
MFS-CC-201	Forensic Science Instrumentation	3	1
MFS-CC-202	Forensic Chemistry	3	1
MFS-CC-203	Forensic Toxicology and Pharmacology	3	1
MFS-CC-204	Criminal & Forensic Psychology	3	1
MFS-AEC-211	Criminology, Law & Courtroom Testimony	4	0
MFS-DSE-221	Internship	0	2
MFS-DSE-222	Minor Project		
MFS-GE-231	Information & Communication Technology	1	1
MFS-GE-232	Cyber Technology & Cyber Law		

**Total credits = 24**

### Semester III

Paper Code	Courses	Credit	
		L	P
MFS-CC-301	Questioned Documents	3	1
MFS-CC-302	Digital Forensics	3	1
MFS-CC-303	Forensic Biology & Forensic Medicine	3	1
MFS-CC-304	Forensic Serology & DNA Technology	3	1
MFS-AEC-311	Forensic Accounting & Fraud Examination	3	1
MFS-DSE-321	Entrepreneurship & Innovations in Forensic Science		
MFS-DSE-322	Forensic Engineering	2	0
MFS-GE-331	Environmental Science		
MFS-GE-332	Disaster Management	2	0

**Total credits = 24**

### Semester IV

#### Specialization subject codes

S. No.	Paper code	Name
1	400	Forensic Physics & Ballistics
2	500	Forensic Chemistry & Toxicology
3	600	Forensic Biology, Serology & DNA
4	700	Questioned Documents & Fingerprint
5	800	Forensic Psychology
6	900	Digital Forensics

#### Specialization in Forensic Physics & Ballistics

Paper Code	Courses	Credit	
		L	P
MFS-CC-401	Advanced Instrumental Techniques for Physical Examination	3	1
MFS-CC-402	Modern concepts of Forensic Ballistics	3	1
MFS-CC-403	Multimedia Forensics	3	1
MFS-AEC-411	Laboratory Information Management System	2	0
MFS-DIS-421	Project/ Dissertation/Out House Attachment	0	10

**Total Credits = 24**

### **Specialization in Forensic Chemistry & Toxicology**

<b>Paper Code</b>	<b>Courses</b>	<b>Credit</b>	
		<b>L</b>	<b>P</b>
MFS-CC-501	Arson, Explosives, Pesticides & Alcohol	3	1
MFS-CC-502	Forensic Chemistry & Toxicology	3	1
MFS-CC-503	Advanced Instrumental Techniques	3	1
MFS-AEC-511	Laboratory Information Management System	2	0
MFS-DIS-521	Project/ Dissertation/ Out House Attachment	0	10

**Total Credits = 24**

### **Specialization in Forensic Biology, Serology & DNA**

<b>Paper Code</b>	<b>Courses</b>	<b>Credit</b>	
		<b>L</b>	<b>P</b>
MFS-CC-601	Forensic Medicine, Anthropology & Entomology	3	1
MFS-CC-602	Forensic Biology, Serology & Wild Life Forensics	3	1
MFS-CC-603	Forensic DNA Profiling	3	1
MFS-AEC-611	Laboratory Information Management System	2	0
MFS-DIS-621	Project/ Dissertation/ Out House Attachment	0	10

**Total Credits = 24**

### **Specialization in Questioned Documents, Fingerprint & Photography**

<b>Paper Code</b>	<b>Courses</b>	<b>Credit</b>	
		<b>L</b>	<b>P</b>
MFS-CC-701	Questioned Document Examination	3	1
MFS-CC-702	Advanced concept of Fingerprint Examination	3	1
MFS-CC-703	Biometrics & Forensic Photography	3	1
MFS-AEC-711	Laboratory Information Management System	2	0
MFS-DIS-721	Project/ Dissertation/ Out House Attachment	0	10

**Total Credits = 24**

### **Specialization in Forensic Psychology**

<b>Paper Code</b>	<b>Courses</b>	<b>Credit</b>	
		<b>L</b>	<b>P</b>
MFS-CC-801	Psychology Assessment & Testing	3	1
MFS-CC-802	Abnormal Psychology	3	1
MFS-CC-803	Counselling and Psychotherapy	3	1
MFS-AEC-811	Laboratory Information Management System	2	0
MFS-DIS-821	Project/ Dissertation/ Out House Attachment	0	10

**Total Credits = 24**

### **Specialization in Digital Forensics**

<b>Paper Code</b>	<b>Courses</b>	<b>Credit</b>	
		<b>L</b>	<b>P</b>
MFS-CC-901	Fundamentals of Computer, Network & its Act	3	1
MFS-CC-902	Computer Forensic, Digital Evidence & Network Forensics.	3	1
MFS-CC-903	Malware Analysis & Reverse Engineering	3	1
MFS-AEC-911	Laboratory Information Management System	2	0
MFS-DIS-921	Project/ Dissertation	0	10

**Total Credits = 24**