

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI



THREE-YEAR UNDERGRADUATE PROGRAMME

Bachelor of Science (B.Sc.)

Subject: FORENSIC SCIENCE

FACULTY: SCIENCE AND TECHNOLOGY

(Courses effective from Academic Year 2026-2027 Under Uniform NEP 2020)

Scheme of Teaching-Learning-Evaluation, Credit Distribution, Workload Calculation and Examination

Credit Distribution

Three/Four-year UG Degree Programme (Level 4.5 to 5.5)

Vertical	Vertical Type	I	II		III	IV	V	VI	Total Credits	Grand Total
	(i) Three-year UG Degree Programme (Level 4.5.to 5.5)									
A	Major DSC (60–64) (Minimum 50% of Total Credits)	4	4	Major	6	8	8	8	38	48
				IKS	2				2	
		0	0	Elective	0	0	4	4	8	
B	Minor (from same faculty of DSC) (18–24)	4	4		4	4	4	4	24	24
C	Generic/Open Elective (OE) (Faculty-wise basket other than Major/Minor faculty) (10–12)	4	4		2	2	0	0	12	12
D(i)	Vocational Skill Courses (VSEC) corresponding to Major/Minor (8–10)	0	2		2	2	2	2	10	16
D(ii)	Skill Enhancement Courses (SEC)	2	2		0	0	2	0	6	
E(i)	Ability Enhancement Courses (AEC) (English + Modern Indian Language)	1+1	1+1		1+1	1+1	0	0	8	
E(ii)	Indian Knowledge System (IKS) 2 Generic	2	0		0	0	0	0	2	14
E(iii)	Value Education Courses (VEC) (Understanding India, EVS, Digital & Technological Solution) 4	2	2		0	0	0	0	4	
F(i)	Internship / Apprenticeship corresponding to Major 8 (OJT)	0	0		0	0	0	4	4	
F(ii)	Field Projects / Community Engagement & Service (CEP) corresponding to Major 4-6	0	0		2	2	2	0	6	18
F(iii)	Co-curricular Courses (CC) (health & wellness, yoga education, sports, fitness, cultural activities, NSS/ NCC & Fine/ Applied/ Visual/ Performing Arts 8	2	2		2	2	0	0	8	
	Total Credits per Semester	22	22		22	22	22	22	132	132

(ii) Four-year UG Degree programme (Level 6.0) Honors Degree in Major or Minor						
A. Honors Degree in Major or Minor						
	Vertical Type			Semester VII	Semester VIII	
	Major (Offered at Three-year UG Programme)	Mandatory		12-14(2*4+2*2 or 3*4+2)	12-14(2*4+2*2 or 3*4+2)	28
		Elective		4	4	8
	Research Methodology (RM)			4	0	8
	On the Job Training (OJT)			0	4	4
	Total			22	22	44
	Cumulative			(132+44) 176		
(ii) Four-year UG Degree Programme (Level 6.0)						
B. Honors with Research Degree in Major or Minor						
	Major (Offered at Three-year UG Programme)			Semester VII	Semester VIII	
		Mandatory		8-10 (24+2 or 24)	8-10 (24+2 or 24)	20
		Elective		4	4	8
	Research Methodology (RM)			4	0	4
	Research Project (RP)			4	8	12
	Total			22	22	44
	Cumulative			(132+44) 176		

Sant Gadge Baba Amravati University, Amravati

Teaching and Learning Scheme: for the Degree of Bachelor of Science

FACULTY: SCIENCE AND TECHNOLOGY

TLE Scheme for FIRST YEAR: SEMESTER – I (Forensic Science) (Level 4.5)

(As per uniform NEP Scheme)

The Vertical	Type of Course	Course Code	Course Title	Credits	Workload	Theory/Practical				Theory/Pract	
						External		Internal		(Total)	
						Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks
Major / Minor	Theory	117200	Basics of Forensic Science-1	2	2	30	9	20	6	50	20
	Lab/Practical	117201	Basic of Forensic Science Lab 1	2	4	25	10	25	10	50	20
Minor / Major	Theory	-	-	2	2	30	9	20	6	50	20
	Lab/Practical	-	-	2	4	25	10	25	10	50	20
Generic/Open Elective	Theory	117202	Criminology- I	2	2	30	9	20	6	50	20
	Theory	117203	Applied Forensic Science	2	2	30	9	20	6	50	20
VSC	-	-	-	-	-	-	-	50	20	50	20
SEC	Lab/Practical	117204	Forensic Science Lab 2 (Advanced Forensic Science)	2	4	-	-	50	20	50	20
AEC - English	Theory		Refer University basket	1	1						
AEC –MIL	Theory		Refer University basket	1	1						
IKS-Generic	Theory		Refer University basket	2	2						
VEC	Theory		Refer University basket	2	2						
CC	Outdoor		Separate SOP will be released	2	4						
TOTAL				22	30						

TLE Scheme for FIRST YEAR: SEMESTER – II (Level 4.5)

The Vertical	Type of the Course	Course Code	Course Title	Credits	Workload	Theory/Practical				Theory/Pract (Total)	
						External		Internal		Max. Marks	Min. Marks
						Max. Marks	Min. Marks	Max. Marks	Min. Marks		
Major / Minor	Theory	117205	Basics of Forensic Chemistry and Toxicology -2	2	2	30	9	20	6	50	20
	Lab/Practical	117206	Basics of Forensic Chemistry and Toxicology- Lab 3	2	4	30	9	20	6	50	20
Major / Minor	Theory		-	2	2	25	10	25	10	50	20
	Lab/Practical		-	2	4	30	9	20	6	50	20
Generic/ Open Elective	Theory	117207	Applied Forensic Chemistry and Toxicology	2	2	25	10	25	10	50	20
	Theory	117208	Criminology- II	2	2	30	9	20	6	50	20
VSC	Lab/Practical	117209	Applied Forensic Science Lab 4	2	4	-	-	50	20	50	20
SEC	Lab/Practical	117210	Applied Forensic Chemistry and Toxicology Practical Lab 5	2	4	-	-	50	20	50	20
AEC - English			Refer University basket	1	1	-	-	50	20	50	20
AEC –MIL			Refer University basket	1	1	-	-	50	20	50	20
VEC			Refer University basket	2	2						
CC			Separate SOP will be released	2	4						
TOTAL				22	32						

*** Important:**

- VSC Should be Complementary to Major/Minor
- SEC has to be selected from the Basket Provided by University, from the same Faculty/Discipline of the Major/Minor

TLE Scheme for SECOND YEAR: SEMESTER – III (Level 5.0)

Subject	The Vertical	Course Code	Course Title	Credits	Workload	Theory/Practical				Theory/Pract (Total)	
						External		Internal			
						Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks
Forensic Science	Major-T	117211	Forensic Physics	2	2	30	9	20	6	50	20
Forensic Science	Major-T	117212	Forensic Ballistics	2	2	30	9	20	6	50	20
Forensic Science	IKS-T	117213	IKS in Forensic Science	2	2	30	9	20	6	50	20
Forensic Science	Major-P	117214	Forensic Physics Lab 6	2	4	25	10	25	10	50	20
Forensic Science	Minor-T	117215	Minor Forensic Physics and Ballistics	2	2	30	9	20	6	50	20
Forensic Science	Minor-P	117216	Minor Forensic Physics Lab 7	2	4	25	10	25	10	50	20
Forensic Science	GOEC-T	117217	Forensic Science for competitive Exam	2	2	30	9	20	6	50	20
Forensic Science	VSC-P	117218	Forensic Science Lab 8	2	4	-	-	50	20	50	20
Forensic Science	FP/CES	117219	Forensic Science Lab 9 (FP/ CEP in Forensic Science - I)	2	4	-	-	50	20	50	20
Forensic Science	CC		Separate SOP will be released	2	4	-	-	50	20	50	20

Important: * VSC Should be Complementary to Major

** SEC has to be selected from the Basket Provided by University, from the same Faculty/Discipline of the Major/Minor

TLE Scheme for SECOND YEAR: SEMESTER – IV (Level 5.0)

Subject	The Vertical	Course Code	Course Title	Credits	Workload	Theory/Practical				Theory/Pract (Total)			
						External		Internal		Max. Marks	Min. Marks	Max. Marks	Min. Marks
						Max. Marks	Min. Marks						
Forensic Science	Major-T	117220	Forensic Biology-1	2	2	30	9	20	6	50	20		
Forensic Science	Major-T	117221	Forensic Biology-2	2	2	30	9	20	6	50	20		
Forensic Science	Major-T*	117229*	Techniques in Forensic Biology- 3	2	2	30	9	20	6	50	20		
Forensic Science	Major-P	117222	Forensic Biology Lab 10	2	4	25	10	25	10	50	20		
Forensic Science	Minor-T	117223	Forensic Biology	2	2	30	9	20	6	50	20		
Forensic Science	Minor-P	117224	Minor Forensic Biology Lab 11	2	4	25	10	25	10	50	20		
Forensic Science	GOEC-T	117225	Advanced Techniques in Forensic Science	2	2	30	9	20	6	50	20		
Forensic Science	VSC-P	117226	Hands on Techniques in Advanced Forensic Biology Lab 12	2	4	-	-	50	20	50	20		
Forensic Science	SEC-P#	117227 [#]	Forensic Biology Lab 13	2	4	-	-	50	20	50	20		
Forensic Science	FP/CES	117228	Forensic Science Lab 14 (FP/ CEP in Forensic Science - II)	2	4	-	-	50	20	50	20		
Forensic Science	CC		Separate SOP shall be consulted from University website	2	4	-	-	50	20	50	20		

* To be implemented w.e.f. academic session 2026-27

- Only applicable up to academic session 2025-26

Important: VSC Should be Complementary to Major and SEC has to be selected from the Basket Provided by University, from the same Faculty/Discipline of the Major/Minor

TLE Scheme for THIRD YEAR: SEMESTER – V (Level 5.5)

Level	The Vertical	Course Code	Course Title	Credits	Workload	Theory/Practical Marks				Theory/Pract (Total) Marks	
						External		Internal		Max.	Min.
						Max.	Min.	Max.	Min.		
5.5	Major-T	117230	Forensic Psychology	2	2	30	9	20	6	50	20
5.5	Major-T	117231	Forensic Medicine	2	2	30	9	20	6	50	20
5.5	Major-T	117232	Environmental & Wildlife Forensics	2	2	30	9	20	6	50	20
5.5	Major-P	117233	Forensic Psychology Lab 15	2	4	25	10	25	10	50	20
5.5	Major-Elective T1	117234	Disaster Victim Identification and Imaging Techniques	2	2	30	9	20	6	50	20
5.5	Major-Elective P1	117235	DVIIT Practical Lab 16 A	2	4	25	10	25	10	50	20
OR											
5.5	Major-Elective T2	117236	Criminal Profiling and Behavioral Analysis	2	2	30	9	20	6	50	20
5.5	Major-Elective P2	117237	Criminal Profiling and Behavioral Analysis Lab 16 B	2	4	25	10	25	10	50	20
5.5	Minor-T	117238	Forensic Psychology-3	2	2	30	9	20	6	50	20
5.5	Minor-P	117239	Forensic Psychology Lab 17	2	4	25	10	25	10	50	20
5.5	VSC-P	117240	Forensic Instrumentation Lab -18	2	4	-	-	50	20	50	20
5.5	SEC-P	117241	Forensic Photography Lab 19	2	4	-	-	50	20	50	20
5.5	FP/CEP	117242	(FP/CEP in Forensic Science - III) Forensic Science Lab 20	2	4	-	-	50	20	50	20
5.5	Non Credit		Foundation of Artificial Intelligence	NC	2			30+20	9+6	50	20

Important:

- **VSC Should be Complementary to Major**
- **SEC must be selected from the Basket Provided by University, from the same Faculty/Discipline of the Major/Minor**
- As per Sant Gadge Baba Amravati University, Amravati Extra-Ordinary Notification No. No. 241/2025 Dated 24/12/2025 “Foundation of Artificial Intelligence” is the mandatory **Non Credit Course** compulsory course for all the UG students in fifth semester of all undergraduate programs of all faculties in Sant Gadge Baba Amravati University, Amravati to earn their degree
- NC is Non Credit Course
- Students must select **Any One** of the Major-Elective Courses (T1 to T2) with respective Practical Course in Semester V.

TLE Scheme for THIRD YEAR: SEMESTER – VI (Level 5.5)

Level	The Vertical	Course Code	Course Title	Credits	Workload	Theory/Practical Marks				Theory/Pract (Total) Marks	
						External		Internal			
						Max.	Min.	Max.	Min.	Max.	Min.
5.5	Major-T	117243	Basics of ICT	2	2	30	9	20	6	50	20
5.5	Major-T	117244	Digital and Cyber Forensics	2	2	30	9	20	6	50	20
5.5	Major-T	117245	Fundamentals of Forensic ICT	2	2	30	9	20	6	50	20
5.5	Major-P	117246	Cyber and ICT Forensics Lab 21	2	4	25	10	25	10	50	20
5.5	Major-Elective T1	117247	Forensic Accounting and Auditing	2	2	30	9	20	6	50	20
5.5	Major-Elective P1	117248	Forensic Accounting Lab 22 A	2	4	25	10	25	10	50	20
OR											
5.5	Major-Elective T2	117249	Forensic Fraud Investigation	2	2	30	9	20	6	50	20
5.5	Major-Elective P2	117250	FRS Lab 22 B	2	4	25	10	25	10	50	20
5.5	Minor-T	117251	Digital and Cyber Forensics	2	2	30	9	20	6	50	20
5.5	Minor-P	117252	Digital and Cyber Forensics Lab 23	2	4	25	10	25	10	50	20
5.5	VSC-P	117253	FRS Lab 24	2	4	-	-	50	20	50	20
5.5	Intern/Apprenticeship	117254	FRS Lab 25 Internship /Apprenticeship/ OJT	4	8	-	-	50	20	50	20

Important:

- VSC Should be Complementary to Major has to be selected from the Basket Provided by University, from the same Faculty/Discipline of the Major/Minor
- **Students** must select **Any One** of the Major-Elective Courses (T1 to T2) with respective Practical Course in Semester VI.