

B.Sc. Programme
Under Choice Based Credit System (CBCS)
S.Y. B. Sc. Course Structure (Autonomous)

Major: Microbiology Minor: Chemistry

Course Code	Semester III	Credits	Course Code	Semester IV	Credits
Discipline Specific Courses (DSC)			Discipline Specific Courses (DSC)		
Major			Major		
24_USMB301	Biomolecules and Microbial taxonomy (T)	02	24_USMB401	Metabolism & Basic Analytical Techniques (T)	02
24_USMB302	Environmental Microbiology (T)	02	24_USMB402	Applied Microbiology (T)	02
24_USMB303	Introduction to Clinical Microbiology (T)	02	24_USMB403	Fermented Foods, Food Sanitation and Microbial Ecology (T)	02
24_USMB304	Microbiology Practical (P)	02	24_USMB404	Microbiology Practical (P)	02
Minor			Minor		
24_USCH305	Physical, Inorganic, Organic Chemistry I (T)	02	24_USCH405	Physical, Inorganic, Organic Chemistry II (T)	02
24_USCH306	Chemistry Minor Practical III (P)	02	24_USCH406	Chemistry Minor Practical IV (P)	02
Generic / Open Elective Course (OE)			Generic / Open Elective Course (OE)		
	Any one course from Open Elective Basket	02		Any one course from Open Elective Basket	02
	Any one course from Open Elective Basket	02			
Skill Enhancement Course (SEC)			Skill Enhancement Course (SEC)		
	Any one course from Skill Enhancement Course Basket	02		Any one course from Skill Enhancement Course Basket	02
Ability Enhancement Course (AEC) Any 1			Ability Enhancement Course (AEC) Any 1		
24_UAAEC MAR301	Marathi: Communication Skill-I (T)	02	24_UAAECM AR401	Marathi: Communication Skill-II (T)	02
24_UAAEC HIN302	Hindi: Communication Skill-I (T)		24_UAAECHI N402	Hindi: Communication Skill-II (T)	
24_UAAEC SAN303	Sanskrit: Communication Skill-I (T)		24_UAAEC SAN403	Sanskrit: Communication Skill-II (T)	
Co-Curricular Course (CC)			Co-Curricular Course (CC)		
	Any one course from the list given below of CC (P)	02		Any one course from the list given below of CC (P)	02
			CEP		
			24_USMBC EP408	Community Engagement and Service (CEP) (P)	02
Total Credits		22	Total Credits		22

Table 1. Open Electives (Offered by Science & Commerce faculty)

<i>Semester III</i>		<i>Semester IV</i>	
24_USOEMT305	Commercial Mathematics (2 credit) (T)	24_USOEMT405	Financial Mathematics (2 credit) (T)
24_USBCHOE301	Nutrition and diet management (2 credit) (T)	24_USOEMT406	Research Analyst in Stock Market (2 credit) (T)
24_USOEPH307	Physics in everyday Life I (4 credit) (T)	24_USOEPH405	Physics in everyday Life II (2 credit) (T)
24_USZOOE308	Global Environmental Issues (2 credit) (T)	24_USZOOE408	Neurobiology and behaviour (2 credit) (T)
24_USOECS305	Multimedia and Digital Marketing (2 credit) (T)	24_USOECS402	Cyber Safety (2 credit) (T)
24_USOECS306	Office Automation (2 credit) (T)	24_USOEPH406	General Physics (2 credit) (T)
24_USOEBT308	Entrepreneurship Development (2 credit) (T)	24_UCOEBE401	Business Economics (2 credit) (T)
24_USOEBT309	Research Methodology (2 credit) (T)		

Table 2. Skill Enhancement Courses for Science, IT, BT, CS Faculty

<i>Skill Enhancement Courses</i>		<i>Skill Enhancement Courses</i>	
24_USCH307	Skills in Classical Methods of Analysis II (P)	24_USCH407	Industrial Organic Chemistry (P)
24_USZOSEC307	Haematological techniques (P)	24_USZOSEC407	Beekeeping (P)
24_USBOTSEC2	Propagation of Horticultural Plants -II (P)	24_USBOTSEC3	Propagation of Horticultural Plants -III (P)
24_USPHS307	Digital Computer Electronics and Microprocessor 8085- I (P)	24_USPHS407	Digital Computer Electronics and Microprocessor 8085 -II (P)
25_USMTS307	Set theory & logic (P)	25_USMTS407	Computational Geometry (P)
24_USMBS307	Microbiology Skills I (P)	24_USMBS407	Microbiology Skills II (P)
24_USBCHS307	Clinical Biochemistry (P)	24_USBCHS407	Soil and water analysis (P)
24_USCSS307	Web Designing (P)	24_USCSS407	Net Technologies (P)
24_USITS307	Computer Skills-3 practical (P)	24_USITS407	Computer Skills-4 practical (P)
24_USBTS307	Molecular Diagnostics (P)		

Table 3: Co-curricular Course

Course Code	Semester III	Course Code	Semester IV
25_GJCC301	National Service Scheme (NSS)	25_GJCC401	National Service Scheme (NSS)
24_GJCC302	National Cadet Corps (NCC)	24_GJCC402	National Cadet Corps (NCC)
24_GJCC303	Sports & Yoga	24_GJCC403	Sports & Yoga
24_GJCC304	Cultural	24_GJCC404	Cultural
24_GJCC305	Career Katta	24_GJCC405	Career Katta
24_GJCC306	Life Long Learning	24_GJCC406	Life Long Learning
25_GJCC307	Research Club	25_GJCC407	Research Club
24_GJCC308	Science Association	24_GJCC408	Science Association
24_GJCC309	Film Club	24_GJCC409	Film Club
24_GJCC310	Infosys Courses	24_GJCC410	Infosys Courses