

Vivekanand College, Kolhapur (Empowered Autonomous)
Science Faculty Credit Framework
Three/Four- Years UG Programme
Department/Subject Specific Core or Major (DSC)-Biotechnology Entire

Level	Semester	1-Major		2-Minor	3-OE	4-VSC/SEC	5-AEC, VEC, IKS			6-OJT, FP, CEP, CC, RP			Total Credits
		Major		Minor	IDC/MDC/ OE/GE	VSEC	AEC (Language)	Value Education Courses (VEC)	IKS	CC	Summer Internship/Field Project/OJT	Research Project / Dissertation	
		DSC	DSE	MIN	OEC								
4.5	I	DSC-I (2) Biotechnology-I DSC-II (2) Biotechnology-II DSC Biotechnology Lab-1 (2)		MIN-I (2) Microbiology-I MIN-II (2) Microbiology-II MIN Microbiology Lab-1 (2)	OEC-I (2) Bioinstrumentation-I OEC-II (2) Plant Science-II OEC Lab-1 (2)		AEC-I (2) English	-	IKS (2) Introduction to IKS			-	
	Credits	4+2=6		4+2=6	4+2=6		2		2			-	22
	II	DSC-III (2) Biotechnology-III DSC-IV (2) Biotechnology -IV DSC Biotechnology Lab-2(2)		MIN-III (2) Microbiology-III MIN-IV (2) Microbiology-IV MIN Microbiology Lab-2 (2)	OEC-III (2) Ecology -III OEC-IV (2) Animal Science-IV OEC Lab-2 (2)	VSC-PR-I (2) Basics in Cell biology	AEC-II (2) English					-	
	Credits	4+2=6		4+2=6	4+2=6	2	2					-	22
1 st year Cumulative Credits		12		12	12	2	4		2				44
Exit option: Award of UG Certificate in Major with 44 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor													
5.0	III	DSC-V (2) Biotechnology -V DSC-VI (2) Biotechnology -VI DSC Biotechnology Lab-3 (4)		MIN-V (2) Microbiology-V MIN-VI (2) Microbiology-VI MIN Microbiology Lab-3 (2)		VSC - PR-II (2) Techniques in Genetics	AEC-III (2) English	VEC-I (2) Democracy VEC-II (2) Environmental Studies-I					
	Credits	4+4=8		4+2=6		2	2	4				-	22
	IV	DSC-VII (2) Biotechnology -VII DSC-VIII (2) Biotechnology -VIII DSC Biotechnology Lab-4 (4)		MIN-VII(2) Microbiology-VII MIN-VIII (2) Microbiology-VIII MIN Microbiology Lab- 4 (2)		VSC - PR-III (2) Basics in Forensic Science	AEC-IV (2) English	VEC-III (2) Environmental Studies-II		CC (2)			
	Credits	4+4=8		4+2=6		2	2	2	2			-	22
2 nd year Cumulative Credits		16		12		4	4	6	2				44
Exit option: Award of UG Diploma in Major and Minor with 88 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor													

5.5	V	DSC-IX (2) Biotechnology-IX DSC-X (2) Biotechnology-X DSC-XI (2) Biotechnology -XI DSC-XII (2) Biotechnology -XII DSC Biotechnology Lab-5 (8)	DSE- I (2) Biotechnology-I	-	VSC - PR-IV (2) Techniques in Enzymology	-	-	-	-	FP (2)	-	
	Credits	8+8=16	2+0=2		2		-			2		22
	VI	DSC- XIII (2) Biotechnology-XIII DSC- XIV (2) Biotechnology -XIV DSC- XV (2) Biotechnology-XV DSC- XVI (2) Biotechnology-XVI DSC Biotechnology Lab-6 (8)	DSE-II (2) Biotechnology-II	-	VSC - PR-V (2) Techniques in Plant Tissue culture	-	-	-	-	OJT (2)	-	
Credits	8+8=16	2+0=2		2		-			2		22	
3 rd year Cumulative Credits	32	4		4						4		44
3-years Cumulative Credits	60/48 DSC	4 DSE	24/24 Minor	12/9 IDC/MDC/OE/GE	10/9 SEC	8/8 AEC	6/6 VEC	2/2 IKS	2/2 CC	4/4 FP+OJT	-	132/ 132
Exit option: Award of UG Degree in Major with 132 credits OR Continue with Major and Minor												

Abbr: DSC : Department Specific Core DSE : Department Specific Elective MIN : Minor
 OE : Open Elective IDC : Inter-Disciplinary Course MDC : Multi-Disciplinary Course
 GE : Generic Elective OEC : Open Elective Course SEC : Skill Enhancement Course
 VSC : Vocational Skill Course AEC : Ability Enhancement Course VEC : Value Education Course
 OJT : On-Job Training FP : Field Project CEP : Community Engagement Programme
 CC : Co-curricular Courses RP : Research Project