

Science Faculty Credit Framework

Three/Four- Years UG Programme

Department/Subject Specific Core or Major (DSC)

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) Electronics-I DSC-II (2) Electronics-II DSC Electronics Lab-1 (2)		MIN-I (2) Physics-I MIN-II (2) Physics-II MIN Physics Lab-1 (2)	OEC-I (2) Maths-I OEC-II (2) Maths-II OEC Maths 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) Electronics-III DSC-IV (2) Electronics -IV DSC Electronics Lab-2(2)		MIN-III (2) Physics-III MIN-IV (2) Physics-IV MIN Physics Lab-2 (2)	OEC-III (2) Maths -III OEC-IV (2) Maths-IV OEC Maths Lab-2 (2)	VSC-PR-I (2) Circuit simulation Lab	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) Electronics -V DSC-VI (2) Electronics -VI DSC Electronics Lab-3 (4)		MIN-V (2) Physics-V MIN-VI (2) Physics-VI MIN Physics Lab-3 (2)		VSC - PR-II (2) PCB designing Lab	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) Electronics -VII DSC-VIII (2) Electronics -VIII DSC Electronics Lab-4 (4)		MIN-VII(2) Physics-VII MIN-VIII (2) Physics-VIII MIN Physics Lab- 4 (2)		VSC - PR-III (2) Electric Wiring Lab	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) Electronics –IX DSC-X (2) Electronics-X DSC-XI (2) Electronics –XI DSC Electronics Lab-5 (6)	DSE- I (2) Electronics-I	MIN-IX(2) Physics-IX MIN Physics Lab- 5 (2)	-	VSC - PR-IV (2) Computer Network-I Lab		-		-	FP (2)	-	
	Credits	6+6=12	2+0=2	2+2=4		2		-			2		22
	VI	DSC- XII (2) Electronics –XII DSC- XIII (2) Electronics -XIII DSC- XIV (2) Electronics -XIV DSC Electronics Lab-6 6)	DSE-II (2) Electronics-II	MIN-X(2) Physics-X MIN Physics Lab- 6 (2)	-	VSC - PR-V (2) Computer Network-II Lab		-		-	OJT (2)	-	
	Credits	6+6=12	2+0=2	2+2=4		2		-			2		22
3 rd year Cumulative Credits		24	4	8		4					4		44
3-years Cumulative Credits		52/48 DSC	4 DSE	32/24 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													
6.0	VII	DSC-XV (4) DSC-XVI (4) DSC Practical-IV (2) DSC Practical-IV (2) DSC Practical-IV (2)	DSE-III (4)	Research Methodology (4)									
	Credits	8+6=14	4+0=4	4+0=4									22
	VIII	DSC-XVII (4) DSC-XVIII (4) DSC Practical-IV (2) DSC Practical-IV (2) DSC Practical-IV (2)	DSE-IV (4)								FP/OJT (4)		
	Credits	8+6=14	4+0=4								4		22
	Cu. Cre	28	8	4							4		44
4-years Cumulative Credits		88/78 DSC	12 DSE	28/24 Minor	12/9 IDC/MDC/OE/GE	10/9 SEC	8/8 AEC	6/6 VEC	2/2 IKS	2/2 CC	8/8 FP+OJT	-	176/176
Four Year UG Honours Degree in Major and Minor with 176 credits													
6.0	VII	DSC-XV (4) DSC-XVI (4) DSC Practical-IV (2)	DSE-III (4)	Research Methodology (4)								RP(4)	

	Credits	8+2=10	4+0=4	4+0=4								4	22
	VII	DSC-XVII (4) DSC-XVIII (4) DSC Practical-IV (2)	DSE-IV (4)									RP(8)	
	Credits	8+2=10	4+0=4	0								8	22
	Cu. Cre	20	8	4								12	44
4-years		80/80	12	28/24	12/9	10/9	8/8	6/6	2/2	2/2	4/4	12	176/
Cumulative				Minor	IDC/MDC/OE/GE	SEC	AEC	VEC	IKS	CC	FP+OJT	RP	176
Credits													
Four Year UG Honours with Research Degree in Major and Minor with 176 credits													

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