

Far Western University
Faculty of Humanities and Social Sciences

Bachelor of Computer Application (BCA) Program Semester-wise subject division

Semesters	Course Code	Subjects	Credit
First Semester	BCAN111	Nepali I (Nepali Writing)	3Cr.
	BCAM112	Basic Mathematics I	3Cr.
	BCAC113	Introduction to Information Technology	3Cr.
	BCAC114	Python Programming	3Cr.
	BCAC115	Computer Hardware and Troubleshooting	3 Cr.
Second Semester	BCAE121	English I	3 Cr.
	BCAM122	Basic Mathematics II	3Cr.
	BCAC123	Object-Oriented Programming with Java	3Cr.
	BCAC124	Discrete Structure	3Cr.
	BCAC125	Computer Architecture and Organization	3 Cr.
Third Semester	BCAE231	English II (Communication Skills)	3 Cr.
	BCAS232	Probability and Statistics	3Cr.
	BCAM233	Numerical Methods	3Cr.
	BCAC234	Database Management System	3Cr.
	BCAC235	Data Structure and Algorithm	3 Cr.
Fourth Semester	BCAS241	Gender and Development Studies in Nepal	3 Cr.
	BCAS242	21 st Century Life Skills for Social Science	3Cr.
	BCAC243	Network and Data Communications	3Cr.
	BCAC244	Artificial Intelligence and Machine Learning	3Cr.
	BCAC245	Web Technology- I	3 Cr.
Fifth Semester	BCAS351	Sociology in Modern Society	3 Cr.
	BCAC352	Net Programming (C#&#x21)	3Cr.
	BCAC353	Cyber Security and Ethics	3Cr.
	BCAC354	Software Engineering	3Cr.

	BCAC355	Web Technology- II	3Cr.
	BCAP356	Project I	2 Cr.
Sixth Semester	BCAS361	Information System for Social Science	3 Cr.
	BCAR362	Research Methodology	3Cr.
	BCAC363	Digital Economy	3Cr.
	BCAC364	Data Science	3Cr.
	BCA	Elective I: From Group A (Geographical Information System)	3 Cr.
	BCAP365	Project II	2 Cr.
Seventh Semester	BCAS471	Applied Economics in Digital Age	3 Cr.
	BCAM472	Software Project Management	3Cr.
	BCAC473	Advanced Java Programming	3Cr.
	BCAC474	Network Security	3Cr.
	BCA	Elective II: From Group B (Applied Psychology)	3 Cr.
	BCAP475	Project III	2 Cr.
Eight Semester	BCAC481	Network System Administration	3 Cr.
	BCAC482	Cloud Computing and Digital Governance	3Cr.
	BCA	Elective III: From Group C (Multimedia Technology for Digital Campaign)	3Cr.
	BCAI483	Internship	6 Cr.
Total			126 Cr.

Elective I: Group A

S. N.	Course Code	Subject	Credit
1.	BCAO501	Geographical Information System	3 Cr.
2.	BCAO502	Multimedia Computing	3 Cr.
3.	BCAO503	Wireless Networking	3 Cr.
4.	BCAO504	Digital Marketing	3 Cr.

Elective II: Group B

S. N.	Course Code	Subject	Credit
1.	BCAO511	Information System Audit	3 Cr.
2,	BCAO512	Cloud Computing	3 Cr.

3.	BCAO513	Applied Psychology	3 Cr.
4.	BCAO514	Mobile Application Development	3 Cr.

Elective III: Group C

S. N.	Course Code	Subject	Credit
1.	BCAO521	Multimedia Technology for Digital Campaign	3 Cr.
2.	BCAO522	IT in Banking	3 Cr.
3.	BCAO523	Big Data Analysis	3 Cr.
4.	BCAO524	Introduction to Telecommunications	3 Cr.