Far Western University
Faculty of Education
Revised Course Cycle of Computer Science Information Technology in Education

S N	Course Code	Courses	Types of Courses
1	C.Eng. 101	Study Skills in English I	Core
2	अ.नेपा. १०१	अनिवार्य नेपाली-१	
3	Ed. 111	Philosophies in Education	
4	CS.Ed. 111	*Fundamental of Computers and Information Systems*	Major
5	CS.Ed. 112	*Programming with C*	

Semester Second

S N	Course Code	Courses	Types of Courses
1	C. Eng. 102	Study Skills in English II	Core
2	अ.नेपा. १०२	अनिवार्य नेपाली-२	
3	Ed. 121	Developmental Psychology	
4	CS.Ed. 121	*Mathematics for IT*	Major
5	CS.Ed. 122	*Computer Architecture and Organization*	
6	CS.Ed. 123	*Data Structures and Algorithms*	

Third Semester

S N	Course Code	Courses	Types of Courses
1	C.Eng. 203	Study Skills in English III	Core
2	Ed. 231	Learning, Teaching and Assessment	
3	Ed. 232	Introduction to Curriculum	
4	CS.Ed. 231	*Discrete Structures*	Major
5	CS.Ed. 232	*Object Oriented Programming with Java*	
6	CS.Ed.233	*Operating Systems*	

Fourth Semester

S N	Course Code	Courses	Types of Courses
1	Ed. 241	Education and Society	Core
2	Ed. Tech. 242	Instructional Methods and Technology	
3	CS.Ed. 241	*Database Management Systems*	Major
4	CS.Ed. 242	*Data Communication and Networking*	
5	CS. Ed. 243	*Computer Graphics*	
6	CS. Ed. MC. 244	Fundamental of Computer and Information System	Minor

Fifth Semester

S N	Course Code	Courses	Types of Courses
1	Ed. NS. 351	Nepal's Study	Core
2	Ed. St.352	Application of Statistics in Education	
3	CS.Ed. 351	*Web Technology I*	Major
4	CS.Ed. 352	*Advanced Java Programming*	

| 5 | CS.Ed. 353 | *System Analysis and Design* | |
| 6 | CS. Ed. MC. 354 | Programming in C | Minor |

Sixth Semester

SN	Course Code	Courses	Types of Courses
1	Ed. 361	Educational Development in Nepal	Core
2	CS.Ed. 361	*Web Technology II*	
3	CS.Ed. 362	*Python for AI*	
4	CS.Ed. 363	*Software Engineering*	Major
5	CS. Ed. MC. 364	Object Oriented Programming with Java	Minor
6	CS. Ed. MC. 365	System Analysis and Design	

Seventh Semester

S N	Course Code	Courses	Types of Courses
1	Ed. 471	Diversity in Education	Core
2	CS.Ed. 471	*Artificial Intelligence*	
3	CS.Ed. 472	*Project Work*	
4	CS.Ed. 473	*Teaching Methods in ICT*	Major
5	CS. Ed. MC. 474	Web Technology I	
6	CS. Ed. MC. 475	Data Structures and Algorithms	Minor

Eighth Semester

S N	Course Code	Courses	Types of Courses
1	Ed.481	Alternative Thinking in Education	Core
2	Ed. 482	Teaching Practice	
3	CS.Ed. 481	*Elective I*	
4	CS.Ed. 482	*Elective II*	Major
5	CS. Ed. 483	*Mobile Application Development*	
6	CS. Ed. 484	*E-commerce and E-governance*	

List of Electives
1. Database Administration
2. System and Network Administration
3. Cloud Computing
4. Net Centric Computing
5. Data Warehousing and Data Mining
6. M multimedia Computing
7. Management information System

Note: Out of 6 elective courses, only two courses (selected by majority of the students) are allowed to select for eighth semester in a particular academic session.

Summary Table of CSIT

Type of Courses	Number of Courses	Credit Hours
Communication Skills	5	5×3=15
Professional	12	12×3=36
Major Specialization	24	24×3=72
Minor Specialization	6	6×3=18
Total	47	47×3=**141**