



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. 110	Study Skills in English I	Core
2	C.Nep. 110	अनिवार्य नेपाली-१	
3	Ed. 111	Philosophies in Education	
4	CS.Ed. 111	<i>Fundamental of Computers and Information Systems</i>	Major
5	CS.Ed. 112	<i>Programming with C</i>	

Semester Second

S N	Course Code	Courses	Types of Courses
1	C. Eng. 120	Study Skills in English II	Core
2	C.Nep. 120	अनिवार्य नेपाली-२	
3	Ed. 121	Developmental Psychology	
4	CS.Ed. 121	<i>Mathematics for IT</i>	Major
5	CS.Ed. 122	<i>Computer Architecture and Organization</i>	
6	CS.Ed. 123	<i>Data Structures and Algorithms</i>	

Third Semester

S N	Course Code	Courses	Types of Courses
1	C.Eng. 230	Study Skills in English III	Core
2	Ed. 231	Learning, Teaching and Assessment	
3	Ed. 232	Introduction to Curriculum	
4	CS.Ed. 231	<i>Discrete Structures</i>	Major
5	CS.Ed. 232	<i>Object Oriented Programming with Java</i>	
6	CS.Ed.233	<i>Operating Systems</i>	

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	<i>Database Management Systems</i>	Major
4	CS.Ed. 242	<i>Data Communication and Networking</i>	
5	CS. Ed. 243	<i>Computer Graphics</i>	
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	<i>Web Technology I</i>	Major
4	CS.Ed. 352	<i>Advanced Java Programming</i>	

5	CS.Ed. 353	<i>System Analysis and Design</i>	
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	<i>Web Technology II</i>	Major
3	CS.Ed. 362	<i>Python for AI</i>	
4	CS.Ed. 363	<i>Software Engineering</i>	
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	<i>Artificial Intelligence</i>	Major
3	CS.Ed. 472	<i>Project Work</i>	
4	CS.Ed. 473	<i>Teaching Methods in ICT</i>	
5	CS. Ed. MC. 474	Web Technology I	Minor
6	CS. Ed. MC. 475	Data Structures and Algorithms	

Eighth Semester

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

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. 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