COMPUTER INFORMATION SYSTEMS, MINOR

The minor in computer information systems (CIS) prepares students to remain at the forefront of the rapidly changing environment in technology and technology related fields. From computer tools and software applications to the technical expertise needed for survival in the digital age, the minor in CIS is designed to give CSU Pueblo students a broad exposure to the latest technology developments and trends.

Through in-depth and hands-on labs and course experiences, students will acquire practical and marketable IT skills that are currently in demand in areas such as data analytics, machine learning, Windows and mobile phone applications and programming, network administration, cyber security, IT security risk management, and more.

Specific Program Requirements

Course	Title	Credits
CIS Minor Core		
CIS 105	Introduction to Access DBMS	1
CIS 150	Introduction to Computer Information Systems	3
CIS 171	Introduction to Java Programming	4
CIS 240	SYSTEMS ANALYSIS & DESIGN	3
CIS 250	Introduction to Business Analytics	3
Electives		
CIS 3/400	Upper Division Courses [1]	9
Total Credits		**23**

CIS Upper Division Courses

CIS minors must select 9 credits from the following upper division courses:

Course	Title	Credits
CIS 311	Introduction to Web Development	3
CIS 315	Linux Fundamentals	3
CIS 350	Database Management	3
CIS 359	ADVANCED PROGRAMMING WITH C#	3
CIS 365	Management Information Systems	3
CIS 386	Android Application Development	3
CIS 401	Network Systems Administration	3
CIS 410	Data Analytics with Python	3
CIS 411	INTERNET SERVER-SIDE PROGRAMMING	3
CIS 450	Advanced Data Analytics	3
CIS 460	Cyber Security & Defense	3
CIS 461	IT Security Risk Management	3
CIS 462	Computer Forensics	3