

WESTERN DAKOTA TECHNICAL COLLEGE

COMPUTER SCIENCE – INFORMATION TECHNOLOGY SPECIALIST

Diploma, 33 Credit Hours, 9-Month Program

The Computer Science - Information Technology Specialist diploma program at WDTC is a focused and intensive program designed to provide students with the essential skills needed to jumpstart their careers in the field of information technology (IT). This program prioritizes hands-on experience in real-world networking and cybersecurity environments, ensuring students' immediate readiness for entry-level IT positions.

In this program, students acquire fundamental computer skills and networking concepts during their nine months of study. They are equipped with the knowledge and practical skills required for roles such as IT Technician, Help Desk Technician, and Systems Support Specialist. Graduates of this program are well-prepared to excel in office environments, collaborate with colleagues, and assist users with system challenges. Troubleshooting, mathematical aptitude, and strong communication skills are essential components of this program. Students learn to configure networks, perform routine maintenance tasks, and address network issues efficiently. Upon completing this diploma program, students are positioned to enter the workforce promptly, making a valuable contribution to organizations in need of skilled IT professionals.

Course	No.	Course Title	Credits
General Education Requirements			
ENGL	101	COMPOSITION I*	3
MATH	114	COLLEGE ALGEBRA**	3
Total			6
Technical Requirements			
CIS	123	INFORMATION TECHNOLOGY HARDWARE/SOFTWARE	3
CIS	129	WINDOWS OPERATING SYSTEMS	3
CIS	131	NETWORKING TECHNOLOGIES I	3
CIS	132	NETWORKING TECHNOLOGIES II	3
CIS	136	CLOUD FUNDAMENTALS	3
CIS	201	LINUX TECHNOLOGIES	3
CIS	213	NETWORKING USING WINDOWS SERVER	3
CIS	216	INTRODUCTION TO PROGRAMMING	3
CIS	225	DATABASES	3
Total			27

*Prerequisite: Acceptable ACCUPLACER score or Basic Writing.

**Prerequisite: Acceptable ACCUPLACER score or Intermediate Algebra.

Semester Breakdown Diploma

First Semester			Second Semester		
		CR			CR
CIS 123	Information Technology Hardware/Software	3	CIS 132	Networking Technologies II	3
CIS 129	Windows Operating Systems	3	CIS 136	Cloud Fundamentals	3
CIS 131	Networking Technologies I	3	CIS 201	Linux Technologies	3
CIS 216	Introduction to Programming	3	CIS 213	Networking Using Windows Server	3
MATH 114	College Algebra	3	CIS 225	Databases	3
			ENGL 101	Composition I	3
Total Credit Hours		15	Total Credit Hours		18

2025-2026 Academic Catalog – 5/2025

Apply online today at wdt.edu or call Admissions Department at (605) 718-2565 or email admissions@wdt.edu

Learn. Do. Now.