

CERTIFICATE: PROGRAMMING & SYSTEMS DEVELOPMENT

This certificate program is designed for students who want to enter the growing information technology field and for current information technology employees who want to increase their job skills and knowledge in programming and systems development.

Students develop programming skills in a variety of programming languages and also develop the skills needed to manage corporate information systems. Completion of the certificate program requires a high level of attention to detail.

The courses required for this certificate program can also be applied toward a 2-year degree in applications programming or a 4-year degree in computer science, computer information systems or computer networking and security, all of which are offered at University Center by Dakota State University.

WHO TO CONTACT

Contact an on-site advisor in person, by email or by phone at 605-367-5640 or 1-866-220-7085. Or, go to www.SDUniversityCenter.org and click on "Request Information" or try the live chat.



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SOUTH DAKOTA PUBLIC UNIVERSITIES & RESEARCH CENTER

University Center makes getting an affordable, high-quality education easy. Choose from over 50 degrees offered right here in Sioux Falls. With convenient day, evening and weekend class times, you can pick a schedule that fits around your life. We also have on-site advisors and financial aid available to those who qualify.

HOW TO APPLY

- In person- pick up an application at the front desk or from an on-site advisor at University Center.
- Online - click on prospective student under admissions at www.SDUniversityCenter.org. Fill out the application on line, mail or bring it to University Center. Readmit students will need to bring it in person to an advisor at UC.

Graduates of this certificate program are eligible for entry-level positions in programming and information systems development and management.

WHAT OUR STUDENTS & GRADUATES SAY

“DSU offers great technology, with teachers who have real-world experience. Students at the University Center have the option of participating in DSU’s mobile computing initiative, which provides students with a personal tablet PC to use in every class.”

“The career opportunities in information technology are endless. I’m interested in living and working in South Dakota and I have many job opportunities, but many of my friends are going to work for large corporations in big cities – jobs are available everywhere.”



CSC 105	Introduction to Computers	3
CSC 260	Object Oriented Design	3
CIS 130	Visual Basic Programming	3
CIS 251	Business Applications Programming	3
CIS 328	Operating Environments	3
CIS 332	Structured Systems Analysis & Design	3
CIS 350	Computer Hdw, Data Com & Networking	3
CIS 484	Database Management Systems	3

Total required credits **24**

These elective courses are recommended, but not required for the certificate program.

CIS 330	COBOL I	3
CIS 331	COBOL II	3
CIS 340	Advanced Java Programming	3
CSC 470	Software Engineering	3
CIS 487	Database Programming	3