

Information Technology

61 credit minimum AAS/30 credit Certificate



The Information Technology degree provides you with the business application and technical skills for entry-level positions in a variety of business settings. You will also have access to state-of-the-art equipment and facilities that prepare you for industry required certification tests that are available on the Lake Region State College campus.

Lake Region State College offers an Associate in Applied Science (AAS) in Information Technology. With the AAS, you must choose to concentrate your studies in one of the following sub-plans: Web Design/Computer Support, Cyber Security, VCSU Bachelor Degree or Office Technologies (Grand Forks AFB only).

ADVISORS/TRiO & PowerSkills

Knowledgeable advisors will help you create a class schedule and choose electives to build strong foundations for upper division coursework and to meet transfer requirements.

TRiO & PowerSkills is an **advising, tutoring, and proctoring resource for everyone**, as well as disability services for students.

A TRANSFER-FRIENDLY SYSTEM

Most universities across the country are considered “**transfer-friendly**” especially within the North Dakota University System (NDUS):

- AA degrees are commonly accepted in place of specific first and second year core requirements.
- GER - All first and second year (100 & 200 level) general education requirements have common names and numbers throughout the NDUS.
- We want to eliminate the chance of confusion about course equivalence.

CHOOSE YOUR PATH

If you want to enter a 4-year college or university after LRSC, you should do your research.

- Gather catalogs from your 4-year choice schools.
- You and your advisor can create a course plan.
- Work with your advisor to meet prerequisites with your electives for the AA or AS degree.
- Check with Student Services about transfer agreements LRSC has with your 4-year choice.

If you plan to pursue a bachelor's degree, you may want to consider enrolling in the Valley City State University subplan, which makes it possible for students to smoothly transition to VCSU after satisfactory completion of the LRSC program.

WE WANT YOU TO BE SUCCESSFUL...so here are some tips to help:

1. **GET ACQUAINTED WITH YOUR ADVISOR** during the first two weeks of school. He or she will help you select courses which meet core requirements and also support your transfer.
2. **SCHEDULE TIME WITH YOUR ADVISOR** immediately after term schedules are published to choose courses for upcoming semesters.
3. **REGISTER AS EARLY AS YOU CAN** to get into the courses you want and need.
4. **SAVE MONEY BY CARRYING A HEAVIER COURSE LOAD.** Discuss with your advisor if a heavy course load works for you and your schedule. (Tuition & fees cap at 12 and 16, respectively. Other fees may apply and online courses are not included.)
5. **STRENGTHEN YOUR COMPUTER SKILLS** If your typing is less than 35 WPM, you should take BOTE 102: Keyboarding I. If you have limited experience with Windows, take CIS 162: Operating Systems (Windows) to prepare for the curriculum.

300k
available in scholarships

28%
growth in the cyber
security industry
through 2026

100%
placement rates

\$67k
median wage

14:1
student:faculty ratio

Information Technology (AAS)

BADM 291: Career Seminar	2
CIS 104: Microcomputer Database	3
CIS 128: Microcomputer Hardware I	3
CIS 129: Microcomputer Hardware II	3
CIS 141: Introduction to Cyber Security (required for Certificate/Cyber Security Subplan ONLY)	3
CIS 164: Networking Fundamentals I OR	3
CIS 227: Data Communications (GFAB Only)	3
CIS 165: Networking Fundamentals II (required for Certificate/Web Design Subplan ONLY)	3
CIS 202: Advanced Software Applications	3
CIS 220: Operating Systems-Unix	3
CIS 255: Computer and Network Security	3
COMM 110: Fundamentals of Public Speaking	3
CSCI 101: Introduction to Computers	3
CSCI 122: Beginning Basic/Visual Basic	3
CSCI 124: Beginning C++/Visual C++ (required for Certificate/Office Technologies Subplan ONLY)	3
ENGL 110: College Composition I	3
ENGL 120: College Composition II OR	
ENGL 125: Introduction to Professional Writing	3
Gen Ed: Humanities/Social Science	6
HPER 101: Activity Introduction Level	1
HPER 102: Activity Intermediate Level	1
MATH 103: College Algebra	3
Subplan Credits	12
Total AAS Credits	minimum 61
Certificate Credits	30
BOLD: 1 year certificate courses	

Program Subplans

Web Design/Computer Support

CIS 147 Principles of Information
 CIS 165 Networking Fundamentals II
 CIS 180 & 181 Creating Web Pages
 CIS 211 Website Plan and Design
 CIS 224 & 243 Networking I & II
 CIS 232 Graphic Design
 CIS 233 Vector Images/Web Animation
 CIS 267 & 268 Intermediate Networking

Cyber Security

CIS 141 Introduction to Cyber Security*
 CIS 142 Ethical Hacking & Network Defense
 CIS 147 Principles of Security
 CIS 241 Introduction to Digital Forensics
 CIS 284 Incidence Response & Disaster Recovery

Office Technologies (Grand Forks AFB)

BOTE 147 Word Processing
 BOTE 218 Desktop Publishing
 CIS 105 Spreadsheet
 CIS 130 Presentations
 CIS 161 & 162 Operating Systems
 CIS 224 & 243 Networking I & II
 CSCI 124 Beginning C ++/Visual C++ *
 CSCI 160 & 161 Computer Science
 CSCI 172 Intermediate Visual Basic

VCSU bachelors

CIS 105 Microcomputer Spreadsheet
 CIS 229 Information Systems Management
 CIS 269 Enterprise Systems
 CIS 281 Project Management