

SIMULATION TECHNOLOGY

65 credit AAS | 56 credit Diploma | 13 credit Certificate

THE PROGRAM

Simulation Technology (Sim Tech) is an Associate in Applied Science (AAS) degree, 4-semester diploma, or 1-semester certificate. It prepares students for troubleshooting, repair, and maintenance of electronic and mechanical components of simulators used in pilot training, entertainment, and other applications. A career in Simulation Technology includes new challenges daily: troubleshooting using test equipment and diagnostics, preventive maintenance, hydraulic and pneumatic systems, and electronics and computer. **Graduates are equipped to maintain the electronics and mechanical components of simulators for aviation, theme park rides, automobiles, trains, or space equipment.**

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.

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.

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.

TIPS FOR STUDENT SUCCESS



1. **SCHEDULE TIME WITH YOUR ADVISOR** immediately after term schedules is published to choose courses for upcoming semesters. Your advisor will help you select courses that meet core requirements.



2. **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.



3. **GET INVOLVED ON CAMPUS** by participating in the Sim Tech Club. The club travels to simulator sites, such as Pan Am Flight Academy.



UNIQUE PROGRAM

The Simulator Technology program at Lake Region State College is one of the few in the United States for training simulator technicians. Students gain experience in electronics, flight characteristics, and computers.

#1

THE ONLY PROGRAM OF ITS KIND IN THE US

STUDENT FOCUSED

LRSC is ranked among the best community colleges by BestColleges and CourseAdvisor 2023. Students receive individualized support and access a variety of services to achieve their academic goals.



14:1

STUDENT: FACULTY RATIO

SCHOLARSHIPS

\$425,000 are offered in scholarships annually. LRSC Community College Foundation funds these scholarships through contributions from loyal friends and supporters of LRSC.



425K

AVAILABLE IN SCHOLARSHIPS

ASSOCIATE IN APPLIED SCIENCE – FIRST YEAR (FALL)

CREDITS

AVIA 200: Ground School*	3
AVIA 201: Introduction to Flight*	1
CIS 128: Microcomputer Hardware I*	3
ELEC 100: DC Analysis/Lab*	4
ENGL 110: College Composition I	3
ENGL 105: Technical Communications or higher needed (<i>Diploma only</i>)*	3
MATH 103: College Algebra*	3

SPRING

CIS 129: Microcomputer Hardware II*	3
CIS 255: Computer & Network Security*	3
ELEC 101: AC Analysis/Lab*	4
ENGL 120: College Composition II OR ENGL 125: Intro to Professional Writing	3
HPER 210: First Aid*	2
Gen Ed: Humanities/Social Science	3
COOP 197: Cooperative Education (Certificate only)*	3

SECOND YEAR (FALL)

CIS 224: Networking I*	3
ELEC 272: Introduction to Simulation** <i>also available in the Spring semester for the Certificate program</i>	3
ELEC 281: Digital Integrates Circuits/Lab*	4
ELEC 284: Semi-Conductor Devices/Lab*	4
Gen Ed: Humanities/Social Science	3

SPRING

CIS 220: Operating Systems - Unix*	3
ELEC 275: Visual Systems/Graphics**	2
ELEC 282: Technical Simulation**	3
ELEC 283: Simulator Systems**	2
COOP 197: Cooperative Education* OR ELEC 285: Electronics Circuits*	3

SUMMER SEMESTER ELECTIVES

COOP 197: Cooperative Education*	3
COOP 198: Cooperative Education*	3

Total AAS Credits	minimum 65
Diploma Credits	56
Certificate Credits	13

*Diploma credits

*Certificate credits

Lake Region State College is an equal opportunity institution that does not discriminate on the basis of race, religion, age, color, sex, disability, sexual orientation, gender identity, genetics, national origin, veteran's status, marital status, political belief or affiliation, and economic or perceived social status in its admissions, student aid, employment practices, education programs or other related activities. Inquiries concerning Title VI, Title IX, and Section 504 may be referred to Sandi Lillehaugen, Human Resource Director, Lake Region State College, 1801 N. College Drive; Office #120, Devils Lake, ND 58301, (701) 662-1543 Sandra.Lillehaugen@lrsc.edu or the Office of Civil Rights/HHS, 1961 Stout Street, Room 08-148, Denver, CO 80294. The Office of Civil Rights also can be reached by calling (800) 368-1019, faxing (202) 619-3818, TDD (800) 537-7697 or by emailing ocrmail@hhs.gov.

LRSC is committed to providing reasonable accommodations to qualified individuals with disabilities upon request. To request an accommodation or to request this document in an alternate format, please contact Sandi Lillehaugen, Human Resource Director, Lake Region State College, 1801 N. College Drive; Office #120, Devils Lake, ND 58301, (701) 662-1543, Sandra.Lillehaugen@LRSC.edu. One-week advance notice appreciated.