300k
available in scholarships

#1
The only program of its kind in the U.S.

100%
placement rates

$47k
median wage

14:1
student:faculty ratio

Lake Region State College

SIMULATION TECHNOLOGY

65 credit minimum AAS/53 credit Diploma

The Simulator Maintenance Technician (Sim Tech) is an Associate in Applied Science (AAS) degree or 4 semester diploma. 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.

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.

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 JOB-SEEKING AND INTERVIEW SKILLS by enrolling in BADM 291 Career Seminar.
6. GET INVOLVED ON CAMPUS by participating in the Sim Tech Club. The club travels to simulator sites, such as Pan Am Flight Academy.

LRSC

CURRICULUM GUIDE

LRSC

Simulation Technology (AAS)

AVIA 200: Ground School*	3
AVIA 201: Introduction to Flight*	1
CIS 128: Microcomputer Hardware I*	3
CIS 129: Microcomputer Hardware II*	3
CIS 220: Operating Systems - Unix*	3
CIS 224: Networking I*	3
ELEC 110: DC Analysis/Lab*	4
ELEC 120: AC Analysis/Lab*	4
ELEC 170: Electronics Laboratory I*	3
ELEC 180: Electronics Laboratory II*	3
ELEC 272: Introduction to Simulation*	3
ELEC 275: Visual Systems/Graphics*	2
ELEC 281: Digital Integrated Circuits*	3
ELEC 282: Technical Simulation*	3
ELEC 283: Simulator Systems*	2
ELEC 284: Semi-Conductor Devices/Lab*	4
ELEC 285: Electronics Circuits* **OR**	3
COOP 196: Cooperative Education*	
ELEC 280: Digital Electronics/Lab*	3
ENGL 105: Technical Communications or higher needed for Diploma*	3
ENGL 110: College Composition I	3
ENGL 120: College Composition II **OR**	3
ENGL 125: Intro to Professional Writing	
HPER 210: First Aid*	2
MATH 103: College Algebra*	3
MATH 105: Trigonometry	3
Gen ED: Humanities/Social Science	6
Summer Electives: COOP 197 & 198	6
Total AAS Credits	**minimum 65**
Diploma Credits	**53**

** Diploma program credits*