Simulation Technology (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.

**THE PROGRAM**

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**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.

**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. **STRENGTHEN YOUR JOB-SEEKING AND INTERVIEW SKILLS** by enrolling in BADM 291 Career Seminar.

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

**CHOOSING 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.
### UNIQUE PROGRAM

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

### STUDENT FOCUSED

LRSC is among the best community colleges by BestColleges and CourseAdvisor 2021. Our students receive individualized support and have access to a variety of support services to help achieve their academic goals.

### SCHOLARSHIPS

LRSC offers a range of scholarships to our students. Scholarships are funded by the LRSC Community College Foundation through contributions including our alumni, faculty and staff, community organizations, and many businesses and corporations.

### 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

MATH 103: College Algebra*
- 3

**SPRING**

CIS 129: Microcomputer Hardware II*
- 3

ELEC 101: AC Analysis/Lab*
- 4

ENGL 105: Technical Communications or higher needed for Diploma*
- 3

ENGL 120: College Composition II OR ENGL 125: Intro to Professional Writing
- 3

HPER 210: First Aid*
- 2

Gen Ed: Humanities/Social Science
- 6

### ASSOCIATE IN APPLIED SCIENCE – SECOND YEAR (FALL)

CIS 224: Networking I*
- 3

ELEC 272: Introduction to Simulation*
- 3

ELEC 281: Digital Integrates Circuits/Lab*
- 4

ELEC 284: Semi-Conductor Devices/Lab*
- 4

MATH 105: Trigonometry
- 3

**SPRING**

CIS 220: Operating Systems - Unix*
- 3

ELEC 275: Visual Systems/Graphics*
- 2

ELEC 282: Technical Simulation*
- 3

ELEC 283: Simulator Systems*
- 2

ELEC 285: Electronics Circuits* OR COOP 197: Cooperative Education*
- 3

### SUMMER SEMESTER ELECTIVES

COOP 197: Cooperative Education*
- 3

COOP 198: Cooperative Education*
- 3

**Total AAS Credits**
- Minimum 68

**Diploma Credits**
- 56

*Diploma program credits

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Lake Region State College is an equal opportunity institution that does not discriminate on the basis of race, color, gender, national origin, age, religion, sexual orientation, or disability in its admissions, student aid, employment practices, education programs or other related activities. Inquiries concerning Title IX, Title IV, and Section 504 may be referred to Sandi Lillehaugen, Title IX Coordinator, Lake Region State College, (701) 662-1543 or the Office of Civil Rights, US Department of Education, 500 W Madison St Suite 1475, Chicago, IL 60661. Gainful Employment information is available at LRSC.edu/consumer-information.

For more information on the Simulation Technology program, please contact Richard Drury, Richard.D.Drury@lrsc.edu or visit www.lrsc.edu.