

# Science Education

MASTER OF

Take your lessons beyond the blackboard and really spark imagination! Whether you teach elementary, middle, or high school, a graduate degree can give you the tools to help you inspire your students while helping you advance your career.



## Why Science Education at Lawrence Tech?

The Master of Science Education and the Master of Science Education-Integrated Science (DI) programs are designed for educators who wish to strengthen their competencies in the teaching of science, renew their provisional certificates of teaching, obtain professional certifications, and/or add a science endorsement to their certification.

Developed by Lawrence Technological University, the Detroit Zoological Society, Cranbrook Institute of Science, and Aquinas College, the Master of Science Education and Master of Science Education-Integrated Science (DI) feature curricula rich in science content and courses aligned with the Michigan Curriculum Frameworks and Benchmarks for Science. The Master of Science Education, which consists of 30 credit hours, allows you to renew your current certificate or change your provisional certificate to a professional one. The 36-credit-hour Master of Science Education-Integrated Science (DI) makes you eligible to add the integrated science endorsement from Aquinas College and the University of Detroit Mercy to your current teaching certificate.

Lawrence Tech’s science education programs are designed to provide you with a comprehensive understanding of science and its link to mathematics. Integral to both programs is an emphasis on active participation and interaction with your instructors and classmates – the same methods of teaching and learning promoted in K–12 science classrooms. Courses incorporate modern hands-on, constructivist-based, inquiry-driven, and project-based learning and teaching methods. You will access community resources for science teaching, such as the Detroit Zoological Society and Cranbrook Institute of Science. The University’s partnerships with these facilities make the Master of Science Education and Master

### CURRICULUM

Your degree requires 30 to 36 credits, depending on the option you choose, and consists of:

<b>Master of Science Education</b>	
Core Courses	21
Introductory Seminar	
Geosphere or	
Atmosphere, Weather, and Climate	
Astronomy	
Project Seminar	
One Life Science Course	
One Physics Course	
One Chemistry Course	
Electives	9
<b>Total</b>	<b>30</b>

### Master of Science Education-Integrated Science (DI)

Core Courses	36
Introductory Seminar	
Cells and Organisms	
Heredity and Evolution	
General Ecology	
Matter, Energy, and Their Changes	
Materials and Their Uses	
Geosphere	
Atmosphere, Weather, and Climate	
Motion, Forces, and Energy	
Electricity, Magnetism, and Waves	
Astronomy	
Project Seminar	
<b>Total</b>	<b>36</b>

“The MSE program at Lawrence Tech is an exciting and rewarding experience – not only because of the new knowledge and skills I have acquired, but also because of the wonderful people I have met through the program.”

Betty Crowder, science consultant, Rochester Community Schools; special lecturer, Oakland University; and president, Michigan Science Teachers Association

of Science Education-Integrated Science (DI) degrees unique among graduate programs for teachers in the metro Detroit area and beyond.

The science education programs at Lawrence Tech are designed for busy professionals. The 13-week fall and spring terms are tailored to fit around your teaching responsibilities and minimize the overlap of the program with your schedule at the beginning and end of each semester. Also available are 10- and six-week courses beginning in May and June, respectively. Fifty percent of each course is offered online, which allows you to attend classes one night per week on campus and one night per week in the comfort of your own home. This type of delivery is not only convenient, it also helps prepare you to teach in the 21st-century classroom, where all Michigan high school students are required to have one Internet class before graduating.

### Scholarships for Admitted Students

Upon admission to the program, you will receive a non-need-based scholarship of \$1050 per course plus waived application and registration fees. Additional financial aid, based on need, is also available. Michigan tuition grants provide a maximum grant

of \$2,750 each year. Need-based loans are also available through the Stafford Loan Program for up to \$18,500 maximum annually. For more information and a financial aid application, contact Lawrence Tech’s Office of Financial Aid at 248.204.2120.

### Getting Started

Admission to the Master of Science Education and Master of Science Education-Integrated Science (DI) programs require:

- A bachelor’s degree with a GPA of at least 3.0. (Acceptable undergraduate work includes unrelated fields.)
- An interview with the program director.
- Official transcripts of all previously completed college work, sent directly from the registrar. You may transfer up to nine graduate credits upon review and approval of the program director.
- A resume that includes three professional references, teaching experience, and extracurricular activities.
- A copy of your teaching certificate if endorsement, professional certification, or renewals are sought.

For more information, contact Lawrence Tech’s Office of Admissions at 800.CALL.LTU or [admissions@ltu.edu](mailto:admissions@ltu.edu). For specific questions about the Master of Science Education and the Master of Science Education-Integrated Science (DI), visit [ltu.edu/arts\\_sciences/master\\_science\\_ed](http://ltu.edu/arts_sciences/master_science_ed) or contact Lawrence Tech’s Department of Natural Sciences at 248.204.3600 or [msedir@ltu.edu](mailto:msedir@ltu.edu).

### GET MORE. DO MORE.

Lawrence Technological University produces leaders with an entrepreneurial spirit and a global view. That’s why Lawrence Tech graduates are known for top job placement and higher starting salaries. Your benefits:

- Intensive leadership-driven programs that embrace theory and practice
- Faculty with current industry experience, not just book smarts
- Convenient schedules that include day, evening, weekend, and online classes
- Well-connected career placement services
- A high-tech, wireless 102-acre campus that’s commuter friendly, with recreation, housing, and meal service options

Explore over 100 undergraduate, master’s, and doctoral programs in Colleges of Architecture and Design, Arts and Sciences, Engineering, and Management.

