

# Undergraduate Learning Outcomes

## Discipline-Specific Knowledge

### KNOWLEDGE IN DISCIPLINE

"LTU graduates will demonstrate a mastery of the knowledge base in their discipline and an expertise in solving practical and theoretical problems."

### TECHNOLOGY

"LTU graduates will demonstrate the ability to apply advanced technologies to practical and theoretical problems in their disciplines."

### SUSTAINABILITY

"LTU graduates will demonstrate an awareness of sustainability concepts within their discipline and their impact on the social, economic, and environmental needs of individuals and communities."

## Critical Thinking

### COMMUNICATION

"LTU graduates will demonstrate professional standards in written, oral and graphical communication by mastering the fundamentals of writing mechanics and integrating evidence and analysis within a coherent structure. In their oral communication, they will organize and deliver content with poise and articulation."

### MATHEMATICS

"LTU graduates will demonstrate their mastery of mathematics to solve real-world problems by isolating relevant factors, constructing abstract models, communicating precisely and reasoning logically."

### READING

"LTU graduates will demonstrate proficiency in reading and interpreting complex, intellectually challenging texts and evaluating their analytical architecture from an independent point of view."

### SCIENTIFIC ANALYSIS

"LTU graduates will demonstrate critical thinking and apply analytical and problem-solving skills in scientific fields."

## Leadership & Ethics

### LEADERSHIP

"LTU graduates will demonstrate civic, team, and global leadership skills by identifying a personal leadership philosophy, exhibiting entrepreneurial skills, and becoming agents of positive change."

### TEAMWORK

"LTU graduates will demonstrate team-building and collaboration skills by making decisions, building consensus, resolving conflicts, and evaluating team members' contributions."

### PROFESSIONAL ETHICS

"LTU graduates will demonstrate an understanding of the ethical issues related to their disciplines, the ethical codes adopted by relevant professional associations, and the social consequences of their ethical decisions."