

# UNIVERSITY OF SOUTHERN MAINE COLLEGE OF SCIENCE, TECHNOLOGY, AND HEALTH

usm.maine.edu/csth

The College of Science, Technology, and Health (CSTH) at the University of Southern Maine provides educational, research, and service opportunities relating to the application of science, technology, and health in the medical, industrial, educational, and business communities. CSTH degree programs prepare students for productive and rewarding lives and provide the knowledge, skills, and abilities for many careers.

## Campus Ventures

A commercialization accelerator program for Maine start-ups and university technology transfer/spin-off projects designed to help entrepreneurs and faculty advance technology-intensive projects and provide rich experiential learning opportunities for students.



## Eastern Alliance in Science and Technology (EAST)

Provides support to students with disabilities pursuing education and careers in science, technology, engineering, and math (STEM).

## External Programs

Develops and delivers workshops, seminars, courses, and certificate programs at locations throughout Maine designed to meet the specific needs of companies and their employees.



## Institute for Information and Innovation

Creates opportunities for students to become engaged in research, development, and creative activities in the areas of information, communications, technology, and engineering, with an emphasis on finding innovative solutions to problems.

## Maine Center for Toxicology and Environmental Health

Contributes to national and statewide efforts to study environmental contaminants and reduce their effects by assembling a critical mass of researchers and resources at USM.

## Manufacturing Applications Center

Provides product and materials testing, analysis and design assistance to help Maine industries reach their full potential.

## Southworth Planetarium

Offers educational and entertaining programs that bring astronomy and science education activities to the campus community, school students, civic groups, and the general public.

## Pioneers

An honors program that provides mentoring, internships, and research and service-learning opportunities to Maine's best and brightest students in the fields of science, technology, engineering, and mathematics.



## Wise Laboratory of Environmental and Genetic Toxicology

Uses novel cell culture models and state-of-the-art molecular and toxicological techniques to investigate the effects of metals and particulates on human and marine animals.

## Degree Programs

### Bachelor of Arts

- Chemistry
- Environmental Planning & Policy
- Geosciences
- Linguistics
  - ASL/English Interpreting
  - Speech and Language Science
- Mathematics
  - Pure Mathematics
  - Applied Mathematics/Operations Research
  - Statistics
  - Secondary Education
- Physics
- Psychology

### Bachelor of Science

- Applied Technical Leadership
- Athletic Training
- Biochemistry
- Biology
  - Biotechnology
  - Ecology
  - Human Biology
  - Pre-Pharmacy
- Chemistry
- Computer Science
- Electrical Engineering
  - Computer Engineering
- Environmental Science
- Exercise Science
  - Exercise Physiology
  - Health Fitness
- Geosciences
- Health Sciences
- Mechanical Engineering
- Nursing
  - Traditional Program
  - Accelerated Program
  - RN to BS Degree
- Technology Management
  - Construction Management
  - Electro Mechanical Systems
  - Industrial Management
  - Information & Communications Technology
  - Precision Manufacturing
- Therapeutic Recreation
- Community Recreation

### Masters Degrees

- Applied Medical Sciences
  - Biotechnology
  - Epidemiology
  - Immunology & Infectious Disease
  - Toxicology & Cancer Biology
- Biology
- Computer Science
- Nursing
  - Adult Nurse Practitioner
  - Certified FNP, ANP and WHNP
  - Clinical Nurse Leader
  - Dual Degree MS in Nursing & MBA
  - Education
  - Family Nurse Practitioner
  - Family Psychiatric/Mental Health Nurse Practitioner
  - Management
  - Options Program for Non-Nurses with a Baccalaureate Degree
  - RN to MS
- Statistics
  - Applied Statistics
  - Applied Mathematics/Operations Research
  - Biostatistics

### Doctorate

Doctor of Nursing Practice (DNP) - Post Masters to DNP

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