

Agricultural and Occupational Safety and Health Certificate



The Agricultural and Occupational Safety and Health Certificate, available at both undergraduate and graduate levels, equips students with essential skills to manage safety and health in agriculture and related industries. The curriculum addresses biological hazards, ergonomic stressors, toxic chemicals, injuries from livestock, machinery, falls, noises, grain engulfment, fires, explosions, and more.

Career Prospects

Workplace safety and health is a rapidly growing field with high job satisfaction and competitive salaries. According to the U.S. Department of Labor, job growth in this sector is "much faster than average." Professionals in this field come from diverse backgrounds, including arts and sciences, engineering, agriculture, health, business, education, and technology.

Program Benefits

Completing this certificate prepares you for new employment opportunities, either as a stand-alone credential or alongside your current degree. Courses are available online and in person at the Manhattan campus.

Curriculum

The 12-credit curriculum includes four specialized courses preparing students for safety management, certifications, and advanced degrees in agricultural safety.

ASMS 423/ASMS 723 - Agricultural and Occupational Safety I

Focuses on preventing injuries in agriculture and industry, including structural, fall, electrical, and livestock handler safety.

ASMS 424/ASMS 724 - Agricultural and Occupational Health I

Examines chemical hazards in agriculture and industry, including gases, pesticides, pharmaceuticals, hazard assessment, and controls.

ASMS 453/ASMS 753 - Agricultural and Occupational Safety II

Learn to prevent injuries and manage risks involving machinery, fire hazards, confined spaces, and pressurized systems.

ASMS 454/ASMS 754 - Agricultural and Occupational Health II

Study health hazards in agriculture and industry, including biological, and physical risks like noise and extreme temperatures.

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