



Certificate in Injury Science

Goals of the Certificate Program

To engage students in coursework and internships to enhance their knowledge and competencies in injury science.

- Training strategies include acquiring foundational content and methodological skills to use injury data and conduct policy analysis to increase an awareness of injury issues.
- Exposure to multiple disciplines, theoretical perspectives and cutting-edge methodologies to address the needs of vulnerable populations.

Requirements for Certificate Program

12-13 Credit hours required

- Two CORE courses taken at the School of Public Health (SPH)
- Two ELECTIVE courses

A practicum component

- 318-hour internship or independent study for 3-credits
- Practicum does not count towards 12-13 credit hours needed to obtain the certificate

Two Tracks in Certificate Program

Non-MPH Students and MPH Students

- Two CORE courses for all students:
 - Foundations of Injury Research, Control and Prevention (HBHE 682)
 - Youth Violence: Issues and Prevention (HBHE 680)

Non-MPH Students

- Two ELECTIVE courses
 - Epidemiology, Statistics or Methods at SPH and another relevant course of interest

MPH Students

- Two ELECTIVE courses not required for the MPH degree at SPH
 - Methods or Statistics, and relevant course of interest anywhere on campus

A practicum component for all students

- 318-hour internship or independent study for 3-credits

Expected Competencies: Knowledge

- **Definitional Issues**
 - Distinctions between intentional and unintentional injuries
 - Addiction
- **Injury Prevention and Control**
 - Principles of injury research
 - Risk factors for and intentions to prevent injury and violence
 - Understanding promotive factors
 - Knowledge of regulatory requirements
- **Surveillance**
 - Elements of surveillance, prevention and control
 - Public health ethics

Expected Competencies: Skills

- Review and critique injury or violence prevention research.
- Access, interpret, use and present injury and violence data.
- Assess how to build and manage an injury or violence prevention program.
- Evaluate injury or violence prevention activities.
- Disseminate injury or violence prevention information to communities, professionals, and policy makers.
- Understand how to stimulate change related to injury or violence prevention through policy enforcement, advocacy, and education.

Questions? UMInjuryCenter@umich.edu