

Areas of Specialization

Affectively Intelligent Systems

CyberSecurity

Computer Forensics

Digital Media

Entertainment Informatics

Eco-Informatics

Fine Arts

Healthcare Informatics

Hospitality Informatics

Human-Computer Interaction

Interactive Computing

Network Forensics

Organizational Informatics

Social Informatics

Degree Programs

- **BS in Informatics**
- **MS in Informatics**
- **PhD in Informatics**

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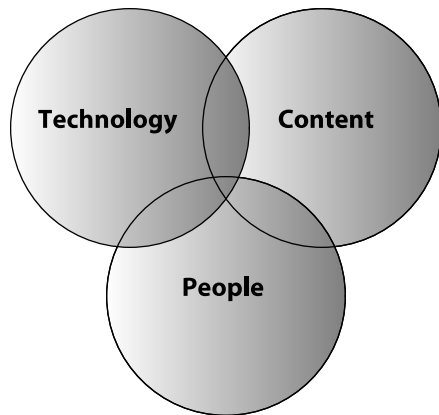


University of Nevada, Las Vegas
School of Informatics



Our Mission

The mission of the School of Informatics is to provide an academic path for students who are interested in pursuing a career that combines computing and information technology with another academic discipline. The curriculum is inherently interdisciplinary, and recognizes that the human, information and technology dimensions of problem solving are equal contributors in advanced informatics applications areas. The School of Informatics will produce graduates that become successful and internationally recognized educators, entrepreneurs, innovators and leaders in the global information economy.



Overview of Specialization Areas

Computer Forensics

Understanding the theory of, and applications behind, the preservation, extraction, analysis, recovery, interpretation, and documentation of digital data for investigative purposes using sophisticated computer-based technologies. Legal and ethical implications of Computer Forensics.

CyberSecurity

Risk management in the digital age. Understanding the economic, legal, and societal implications of digital security, and the role of security in modern computing and network systems, Digital vulnerabilities including hacking, cyberterrorism, cyber-fraud and countermeasures.

Network Forensics

Understanding the operation and capabilities of digital networks. Acquiring the ability to interpret network traffic at all levels, and to detect anomalies. Network reconnaissance, traffic analysis, security precautions, defensive measures, internal and external safeguards and controls, network auditing, intrusion detection, events-of-interest, incident handling, hacking, malware, network appliances.

Healthcare Informatics

Understanding the computing and network needs of healthcare professionals, the social and legal responsibilities to the patient, and quality improvements coupled with reduced costs through use of information technology.

Affectively Intelligent Systems

Designing and developing affectively and socially intelligent computer systems that can recognize human affect and adapt to it depending on the context and application.

Human Computer Interaction

Designing, implementing, and evaluating interactive computer systems for human use and the study of major phenomena surrounding the interactive relationship.

Entertainment Informatics

Understanding the digital side of the artistic experience in the media and performing arts. Exemplars would include animation, film, computer graphics, music, choreography, set design, etc. and the understanding of how these digital artifacts may be used to enhance this experience.

Hospitality Informatics

Understanding problems of, and providing solutions for, the hospitality industry's information, computing and network infrastructures. Applications of computing and network technologies to gain efficiencies and add value to the guest's experience.

Organizational Informatics

Understanding the needs, uses, and consequences of information in organizational contexts. Focusing on the changing character of organizational practices, and the rise and transformation of information-based industries.

Social Informatics

Understanding the relationships between Information and Communication Technologies and Social Systems.