AIS Collection of IS Institutions and Educational Resources

Institution Name

University of Nevada, Las Vegas

College/School

Lee Business School - Harras College of Engineering

Department

Cybersecurity

Country

United States of America

AIS Region

Region 1: America

Full Postal Address

4505 South Maryland Parkway
Las Vegas, Nevada, 89154
United States

Web Link:

https://www.unlv.edu/

Contact

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Institution Summary

As a minority-serving institution rich with diversity and committed to equity, UNLV provides access to world-class educational experiences that are responsive to the needs of our students and stakeholders;
engages in groundbreaking research, scholarship, professional, and creative activities that have impact and cross boundaries; and
offers high-value, cutting-edge interdisciplinary physical and mental health care to support our community. We create value for the individuals and communities we serve by fostering a climate of innovation, stimulating economic diversification and workforce development, promoting social justice and inclusion of all voices, and enriching cultural vitality.

Our vision is improving the lives of our diverse students and transforming our communities through education and engagement.

Programs and Courses Summary

The university recognizes the importance of Philanthropy and Alumni Engagement, as well as Infrastructure and Shared Governance in all aspects. These foundational goal areas are measured and monitored as part of the strategic plan. The culture of philanthropy and alumni connection is key to everything we do, and an improved infrastructure and a healthy shared government model are pivotal in order to accomplish the goals within the six core areas. The university continually develops and leverages the conditions necessary for success, which includes enhancing our financial stability, creating lifelong alumni, improving our infrastructure and management of resources, meaningful faculty engagement in shared governance, and the capacity for informed decision-making.

The core areas of Top Tier 2.0 their strategic objectives, tasks, and indicators of achievement express the mission of the university. The core areas describe in broad statements what UNLV

plans to accomplish and reflect the values that are shared by faculty and staff. Evaluation of the metrics associated with the indicators of achievement will demonstrate how effectively UNLV is carrying out its mission.

Core Areas

- Advance Student Achievement
- Bolster Research, Scholarship, Creative Activity
- Create UNLV Health
- Stimulate Socio-Economic Development
- Foster Community Partnerships
- Promote Social Justice, Equity, and Inclusion

Information Systems Programs

Program Name	MS Cybersecurity
Program Description	UNLV Master's Program in Cybersecurity is an interdisciplinary program provided by the Lee Business School and the Howard R. Hughes College of Engineering. This program is designed for both working professionals and students and includes a mix of group projects, evening, online, and hybrid courses. You'll discover how to identify solutions to global cyber risks while mastering technical, legal, and policy challenges in this essential field of study.
Level	MA
Teaching Mode	hybrid
Semester duration of program	6
Learning objectives	1. Evaluate the computer network and information security needs of an organization 2. Assess cybersecurity risk management policies in order to adequately protect critical resources and assets 3. Demonstrate a mastery of in-depth knowledge of cybersecurity 4. Formulate, update and communicate regarding organizational cyber-related strategies and policies
Highlights of the program	Ranked no. 25 in Step's list of 2022’s Best Online Cybersecurity Master’s Degree Programs, UNLV’s Master of Science in cybersecurity program offers students the best of engineering and business knowledge wrapped into one degree through the Lee Business School and the Howard R. Hughes College of Engineering. The program builds upon the strengths within the computer science department in the College of Engineering, which provides the technical expertise of dealing with data, computers, and networks; as well as the strengths of the management information systems group within the Lee Business School’s Department of Management Entrepreneurship, and Technology (MET) to provide the expertise in managerial aspects of security, compliance, and risk management.

Information Systems Courses

Course Name	Security Data Analytics	Cybersecurity Strategy and Governance	Cybersecurity Capstone
Course Description	Investigates the use of data analytics in cybersecurity, exploring the predictive and fast reacting security features capabilities it promotes. Focus on capabilities to identify threats and risks, automate security response, and prevent cybersecurity incidents. Specific topics may include cybersecurity data mining, log management, machine learning, AI, and big data architecture.	Continued examination of corporate governance of cybersecurity programs, and the knowledge and experience required to develop and manage an enterprise information security program. Advances upon Enterprise Security Administration and expands the concepts of business modeling and risk management.	Culminating experience under advisor direction. Enables the demonstration of program concepts and learning objectives into a final project, competition, or paper.
Learning objectives	• Explain the role data analytics plays in predictive and reactive security practices • Demonstrate the ability to analyze and implement data mining to increase the cybersecurity posture of a platform • Show understanding of machine learning and artificial intelligence concepts and how they apply to data analytics with regards to cybersecurity. • Demonstrate understanding of Big Data Architecture and how it relates to cybersecurity	• Understand enterprise level governance of cybersecurity programs • Understand how to perform risk analysis with regards to corporate cybercrimes. • Evaluate and understand cybersecurity budgeting and ROI considerations • Application of cyber security insurance in an enterprise environment • Understand cost to corporations of cybercrime events • Understand how to appropriately administer a cybersecurity program to prevent negative impact to the company	• Demonstrate mastery of cybersecurity concepts
Level	MA	MA	MA
Teaching Mode	hybrid	hybrid	hybrid