Professional fields are welcomed.

Policies. Case studies are primarily based in security studies, but other approaches, students will explore planning and management skills as frameworks/models for applying these theories and methods to organizational relationships. Topics include auditing and log records; monitoring and testing for threat detection; vulnerability scans; and the security of external services (e.g., cloud providers) and supply chains. We do not focus on how to technically implement these measures. Students assess organizational impacts and explore how best practices and standards can help manage such measures. Pre- or Co-req: CPRM 830.

CPRM 850 - Security Measures II Credits: 3
This course continues surveying common technological and organizational measures for cybersecurity, with a focus on detection and organizational relationships. Topics include auditing and log records; monitoring and testing for threat detection; vulnerability scans; and the security of external services (e.g., cloud providers) and supply chains. We do not focus on how to technically implement these measures. Students assess organizational impacts and explore how best practices and standards can help manage such measures. Pre- or Co-req: CPRM 830.

CPRM 860 - Incident Response and Investigation Credits: 3
This course fosters cybersecurity incident response and investigative knowledge, from both the organizational and system perspective. Material includes laws, standards, codes of behavior and best practices for incident response, including the management of relationships (e.g., regulators, clients, vendors). Case studies are presented and discusses in light of organizational resource limitations, legal mandates, and jurisdictional boundaries. Prereq: CPRM 830. Pre- or Co-req: CPRM 850.

CPRM 870 - Cybersecurity Risk Management Credits: 3
This course establishes foundations for addressing cybersecurity as a risk management concept and process, and as a component of overall risk management within an organization. Students will become familiar with theories of risk and methods of risk management, as well as frameworks/models for applying these theories and methods to cybersecurity. Prereq: CPRM 840 and CPRM 860.

CPRM 879 - Research Methods Credits: 3
This course helps students understand and apply research methods and planning processes for accomplishing a graduate-level thesis. Students will survey a variety of research approaches and select those most applicable to each student’s research project. Within those approaches, students will explore planning and management skills as well as academic components (e.g., literature review, critical analyses) in preparation for applying these skills and knowledge in a Capstone: Thesis Option course. Equivalent(s): EDUC 882
CPRM 880 - Cybersecurity Metrics and Evaluation
Credits: 3
This course provides an overview of analytical techniques for the documentation and evaluation of cybersecurity metrics, and the incorporation of such assessments in organizational risk management. Students will become familiar with methods for cybersecurity evaluation and the translational impacts to function and mission success of an organization (business, public administration, homeland security, etc.); as well as processes for security measurements, comparisons, and reassessments for purposes of risk management. Pre- or Co-req: CPRM 870.

CPRM 890 - Organizations, Change Management, and Leadership
Credits: 3
This course examines both private and public institutions as systems whose effectiveness depends on how an organization adapts to opportunities, threats, and demands (external and internal). Students explore the design and leadership of ethical and socially responsible organizations. In course examples and exercises, students will apply this knowledge to their respective research interests (e.g., cybersecurity, analytics, criminal justice, public health, etc.).

CPRM 895 - Independent Study
Credits: 3
This course allows students to complete a graduate-level course in Cybersecurity Policy and Risk Management program via independent study if they were unable to take the course when it was offered. This course can substitute for a required course.
Repeat Rule: May be repeated for a maximum of 6 credits.

CPRM 898 - Capstone: Non-Thesis Option
Credits: 3
This capstone integrates all disciplines and competencies that have been learned in this degree program, plus the student's past experiences, areas of specialization, and professional goals, into a single work-based project, internship experience, or other appropriate activity. In consultation with an advisor, each student develops a project plan, establishes goals and objectives; collects and analyzes information; and prepares and delivers a final project agreed upon by the student and advisor. Prereq: CPRM 720 / CPRM 820 and CPRM 880. Pre- or Co-req: CPRM 790 / CPRM 890.

CPRM 899 - Capstone: Thesis Option
Credits: 3
Students synthesize, evaluate, and integrate past experiences, new research, and the cross-disciplinary knowledge constructed during this degree program to create a publishable quality, graduate-level thesis. In continuation with an advisor, each student develops a project plan; establishes goals and objectives; collects and analyzes information; and prepares and delivers a final product agreed upon by the student and advisor. Prereq: CPRM 720 / CPRM 820, CPRM 870 & (CPRM 879 or EDUC 882). Pre- or Co-req: CPRM 790 / CPRM 890.
Repeat Rule: May be repeated for a maximum of 6 credits.

Faculty

https://online.unh.edu/program/ms/cybersecurity-policy-risk-management#collapse_314