Objectives

1. To develop highly qualified engineering professionals with a strong understanding, knowledge, and academic and technical background, combining engineering concepts, technical innovation, scientific skills, and high-quality execution in the field of cybersecurity and cloud computing engineering.

2. To develop engineering professionals responsible for building, designing, and protecting information technology systems within organizations to prevent data breaches, maintain security against hackers, viruses, and other potential problems, and oversee the construction of various types of network infrastructure and available systems. This includes monitoring network infrastructure and security device issues and providing guidance and solutions for various problems.

3. To develop engineering professionals with the scientific and technical skills necessary to effectively manage cloud computing operations, utilize vulnerability assessment tools to identify various technical issues, monitor and evaluate security patch failures, mitigate vulnerabilities, and provide assistance with security documentation and disaster recovery solutions.

4. Preparing engineering personnel with the technical and scientific skills necessary to analyze data records and conduct risk assessments in the event of security breaches, identifying compromised system components and the source of the risk. This includes penetrating secure data and systems to discover potential vulnerabilities and ensure network security.

5. Continuously developing academic programs through collaboration with Arab and international academic institutions to align with the requirements of Iraqi and local cybersecurity and national security programs, as well as the needs of the job market. This includes providing a suitable environment for theoretical and practical teaching using the latest educational methods.

6. Ongoing professional development for faculty, technicians, and administrative staff within the department through participation in seminars, conferences, and workshops organized by the department or similar departments at local and international universities.

7. Collaborating with relevant departments to monitor graduates and continuously evaluate their performance to ensure their effective contribution to community service after graduation, in accordance with a future plan and vision for developing and expanding community engagement.

8. Providing technical and academic consultations in the field of cybersecurity and cloud computing to governmental and academic institutions.

9. Adopting effective theories to develop the department's capabilities in conducting research and studies, and preparing educational materials to meet the quality standards of the Ministry of Higher Education and Scientific Research, and serving the community by producing graduates equipped with diverse knowledge that qualifies them to excel in their field, adapt to various work conditions, and keep pace with rapid developments in their specialization, while respecting professional ethics.