Securing Our World Through Multi-Factor Authentication A Vital Layer of Security



Cybersecurity Awareness Month

Office of Information Technology / Division of Information Security

Multi-Factor Authentication (MFA) is a security process that requires users to provide two or more verification factors to gain access to a system, application, or account. Instead of relying solely on a password, MFA combines various elements: knowledge-based factors (like a password or PIN), possession-based factors (such as a smartphone or security token), and/or inherit traits (such as biometric verification with a fingerprint or facial recognition).

MFA typically involves the following three types of authentication factors:



When MFA is enabled, users must provide at least two of these factors to access their accounts.

The Importance of MFA.

1. Increased Security: By requiring multiple forms of authentication, MFA reduces the risk of unauthorized access even if one factor (such as a password) is compromised.

2. Compliance Requirements: MFA is often mandated as part of compliance with data protection laws.

3. Protection Against Identity Theft: MFA ensures that even if an attacker gains access to login credentials, they still cannot access the account without the additional verification factor.

4. User Trust: Customers are more likely to trust a company that takes their security seriously and implements robust measures.

