

# Information Security at ASU

**Tina Thorstenson**

Chief Information Security Officer

University Technology Office

[infosec@asu.edu](mailto:infosec@asu.edu)

# data breach statistics

81% resulted from hacking  
69% incorporated malware

Figure 17. Threat action categories over time by percent of breaches and percent of records



10% involved physical attacks  
7% employed social tactics  
5% resulted from privilege misuse



# securing our community

One University in Many Places



Confidentiality

Availability

Integrity

# data breaches

## Why University Security Matters

- ✓ Legal Obligation
  - FERPA
  - Graham-Leach-Bliley
  - Payment Card Industry Standards
  - AZ Breach Notification Statutes
- ✓ Reputational
- ✓ Moral Obligation



The Privacy Rights Clearinghouse tracks thousands of breaches involving millions of individual records



# data breaches

## Why University Security Matters

- ✓ Thousands of new users come on our network each year, with thousands more departing
- ✓ We support nearly every kind of device on the consumer market
- ✓ Our large population of younger people more likely to take risks online
- ✓ Our IT organizations are largely decentralized which makes it difficult to deploy standard technologies or adopt standard policies

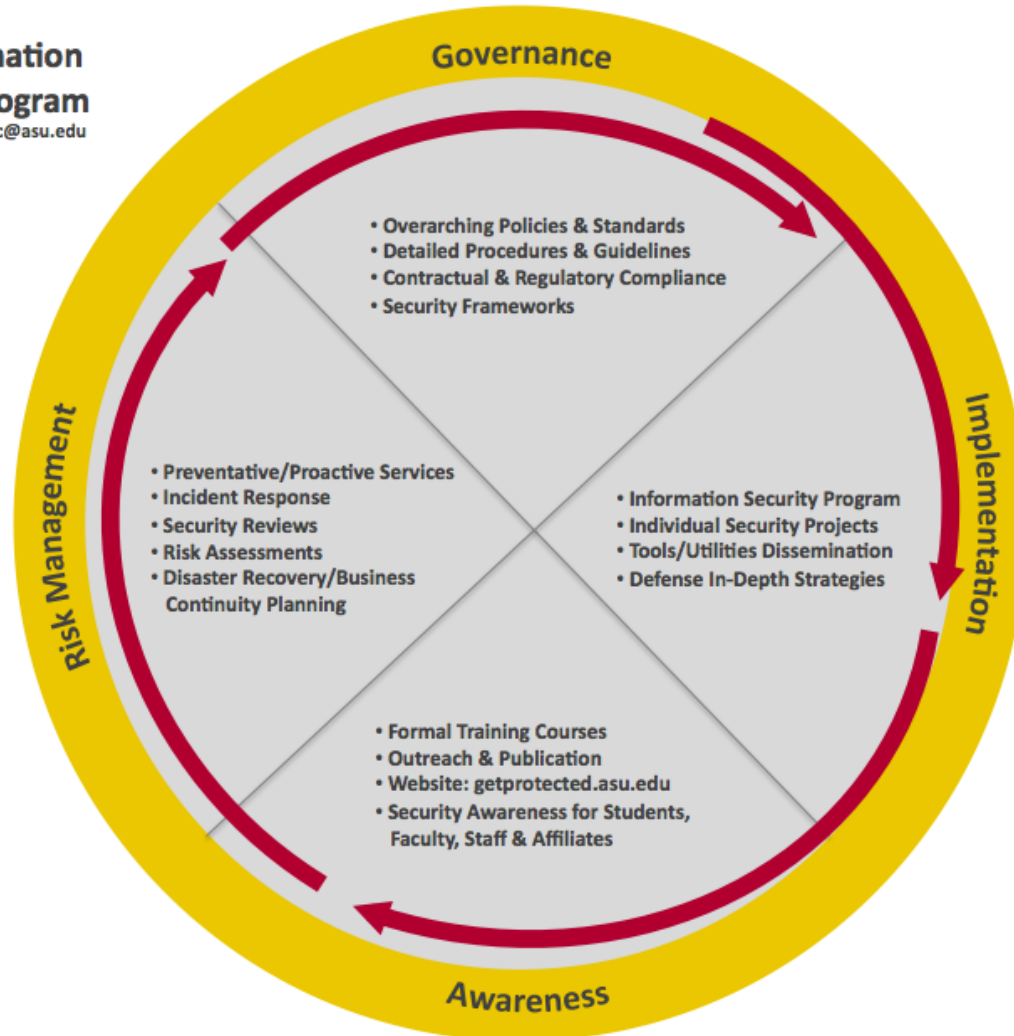
ASU's online user population exceeds 300,000 people



# ASU Information Security Program

## ASU Information Security Program

Contact us at [infosec@asu.edu](mailto:infosec@asu.edu)



# project highlights

Here are a few of the current & recently completed initiatives:

- Secure border/network infrastructure
- Laptop encryption & mobile device security
- Securing web applications
- Secure personally identifiable information (PII)



**GET PROTECTED**

- Security Regulations
  - Federal
  - State
- ASU Security Protocol
- ASU Security Basics
- ASU Training
- ASU Groups
- ASU Community Services

**lock down mobiles**

use pins and passwords to secure your computer, phone, and other mobile devices

**Take Action**

- Virus Protection
- Contact Us
- Security Training
- Protect Yourself
- Encryption

The screenshot shows a mobile security website. At the top left is a red padlock icon. To its right is the text 'GET PROTECTED' in large, bold, red letters. Below this is a navigation menu with a 'Security Regulations' section containing 'Federal' and 'State' links, and a list of other security resources. In the center, the text 'lock down mobiles' is displayed in large black font, with a callout box below it stating 'use pins and passwords to secure your computer, phone, and other mobile devices'. To the right of the text is an image of a smartphone displaying a passcode entry screen. Further right is a 'Take Action' section with five blue buttons: 'Virus Protection', 'Contact Us', 'Security Training', 'Protect Yourself', and 'Encryption'. A small orange question mark icon is in the top right corner of the screenshot.

# effective practices

- **keep it under wraps:** don't share your password
- **length is strength:** guess proof your passwords
- **update often:** stay safe with anti-virus, anti-spyware & anti-malware
- **don't get hooked like a phish:** beware of anonymous emails



# effective practices

- **be careful where you surf:** some websites are harmful
- **if you don't need it, delete it:** trash unnecessary data
- **protect with pins, passwords and 2-factor:** use pins and passwords to secure your computer, phone & other mobile devices
- **encryption is key:** encrypt your computer, flash drive, phone & other mobile devices to prevent others from stealing your data

# tips & tricks

## for department systems & servers

- Review systems and accounts for unnecessary access.
- Review server and system logs regularly. Set system automated alerts for unusual activity.
- Perform security scans on all of your web applications.
- Set your browser to block pop-ups, flash movies, scripts, etc. Most tools will let you whitelist the good stuff with a click or two.
- Keep systems patched; apply vendor security maintenance promptly.

# report security events

- To report an event or incident, contact the **ASU Help Desk at 1-855-278-5080**.
- For events that do not require an immediate response, email the Information Security Team directly at **infosec@asu.edu** or visit **getprotected.asu.edu**.

The background features a large, semi-transparent watermark of the ASU logo, which includes the letters 'ASU' and a stylized sunburst or starburst design behind the letter 'S'.

**Questions?**

Tina Thorstenson  
Chief Information Security Officer  
University Technology Office  
[infosec@asu.edu](mailto:infosec@asu.edu)