Identity and Access Design Review

College & University Faculty | Lesson Plan | 75 minutes

Before class: Prepare a fictional organization with several roles (student, faculty, staff, contractor, administrator) and a short set of joiner/mover/leaver events. Keep all identities fictional.

Outcome: Students will evaluate an identity lifecycle design for least privilege, recovery, exceptions, evidence, and governance.

Materials

- Fictional role and account list
- Identity lifecycle worksheet
- Access-review decision table
- Whiteboard or collaborative document

Learning Objectives

- Explain how joiner, mover, and leaver events change access risk.
- Identify least-privilege and separation-of-duties concerns.
- Evaluate account-recovery controls and exception handling.
- Define evidence that would support an access decision.

Opening (10 minutes)

- Present the fictional organization and ask: “What can go wrong when access lasts longer than the job or role?”

Lifecycle Review (20 minutes)

- Teams trace four identity events from request through approval, provisioning, review, and removal.
- Mark where evidence is created and who is accountable.

Recovery and Exception Design (15 minutes)

- Evaluate a lost-device or account-recovery scenario.
- Discuss how convenience, identity proofing, accessibility, and fraud risk compete.

Access Review (20 minutes)

- Teams identify two excessive-access conditions and recommend a response.
- Require a documented rationale for any retained exception.

Debrief (10 minutes)

- Where did human judgment matter most?
- Which control could create operational harm if applied too rigidly?
- What would you automate and what would you keep reviewable?

Evidence and Assessment

- Students submit an identity lifecycle map and a short design-review memo. Assess traceability, least-privilege reasoning, exception handling, and quality of evidence.

Optional Companion

- Pair with “Identity and Account Recovery Design” from Labs & Activities for a longer practical session.

Source and use

The Complete Cybersecurity Educator, Dr. Jason Edwards. College & University lesson-plan extension derived from the companion course-design, lab, and assessment resources.

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Read online: https://educate.baremetalcyber.com/resources/identity-and-access-design-review/