Mile2's INSTRUCTIONAL DESIGN & ACCREDITED LEARNING METHODOLOGY

Mile2's self-study instructional design approach centers around mile2's proprietary MACS (mile2 Accreditation Certification System). Mile2's MACS program utilizes the ADDIE Method for its instructional design for students learning. The ADDIE method is the instructional systems design (ISD) represents a dynamic, flexible guideline for building practical training and performance support tools. The five critical phases of mile2's certification training yields the following five phases to ensure learning retention: Analysis, Design, Development, Implementation, and Evaluation.
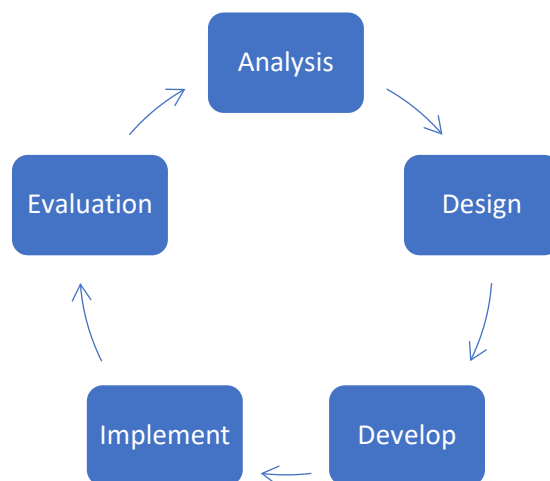
In addition to the ADDIE Method, Mile2's MACS system utilizes the Hofstee method for its certification accreditation process for exam learning objectives. The Hofstee method efficiently collects criterion and normative information, requiring a panel of cyber security subject matter experts to assess performance standards and passing rates. Presently, mile2 is undergoing the ANSI process to become globally accredited in ISO/IEC 17024:2012.

In summary, Mile2's Certification methodology and Accreditation programs are the following:

1. Certification Program: ANSI Accreditation **ISO/IEC 17024:2012** (In Process).
2. IDS Learning Methodology: **ADDIE Method**
3. Certification Testing: **HOFSTEE Method**

ADDIE METHOD – IDS LEARNING METHODOLOGY

Mile2 has designed its courses according to the time-tested ADDIE method.

First, we Analyze the needs of the marketplace and the knowledge, skills, and abilities required to perform specific job roles within the cybersecurity space.

The courseware is designed to ensure that the information is presented in a way that ensures the best comprehension and retention of the material. Specifically, we look at GAGNE's Nine Events

GAGNE'S Nine Events

Gain Attention of the Students

Inform Students of the Objectives

Stimulate Recall of Prior Learning

Present the Content

Provide Learner Guidance

Elicit Performance

Provide Feedback

Assess Performance

Enhance Retention and Transfer to the Job

To support this methodology, students are presented the material in an e-book format as well as instructor-led videos that review the information within each chapter of the book. This dual content delivery system ensures that the students are presented with information in both visual and auditory formats.

Additionally, flashcards and exam prep guides provide additional formats for learning acquisition and retention.
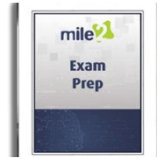
Certain courses also include live labs in a controlled environment allowing the students to actively practice methodologies learned in the courses.

The certification exams provided with each course measure the student's knowledge and understanding of the tools, vocabulary, and theories required for the job role identified in the course.

In summary, each Mile2 course provides the following learning and testing materials:
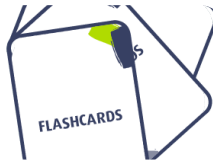

E-Book

Exam Prep Guide

Chapter Videos

Certification Exam

Flashcards

Some Mile2 courses also include:

Using these materials, the students are given multiple opportunities to learn and practice the knowledge, skills, and abilities needed to perform the various job roles assigned to the certification titles.

MILE2'S ACCREDITATION & CERTIFICATION SYSTEM (MACS)

Mile2's MACS self-study programs have been running for three years. Projects range from a cohort of regional employees to state-wide.

The depth of the projects is both small and significant; The Bay Area UASI (Cyber Communications HUB for Federal, State, and Local agencies in an Emergency for Northern California – including All Silicon Valley, Cities of San Francisco, Oakland, San Jose, and surrounding 14 counties, have been using our self-paced courses exclusively for their 100s of personnel. Some Presently active members utilizing mile2's MACS self-study program are below.

Military and State Entities.
US ARMY WOAC - Advanced Forensics
State of California (Cal Poly)
California Poly Institute– CIHE (CCI)

State Universities.
Ohio Christian University – CHT, COST, CNP, CSP
Pensacola State College - C)DRE, C)DFE
Wayne State University – CPEH (Rick Schott)

Private Entity.
Four Winds – CSA1
Deloitte – All Mile2 titles