

## CWMS Exam Weighted Criteria Table

The following table indicates the percentage (%) of exam content (exam items) for the four (4) major domains of the CWMS exam, and lists the sub-components of each of those domains:

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|-------------|---|------------|
| <b>I.</b>   | <b>Wildland Fire Science</b>  | <b>27%</b> |
| A.          | Identify wildland fire fuel types and associated concerns and hazards to the built environment  |            |
| i.          | (A) Requisite Knowledge - Commonly used wildland fire fuel models, fire behavior characteristics, and mitigation techniques   |            |
| ii.         | (B) Requisite Skills - Identify hazards associated with wildland fuels and the impacts to the built environment   |            |
| B.          | Determine anticipated wildland fire behavior based on site conditions   |            |
| i.          | (A) Requisite Knowledge - How fuel, terrain, and weather influence wildland fire behavior   |            |
| ii.         | (B) Requisite Skills - Make mitigation recommendations based on wildland fire behavior  |            |
| C.          | Analyze structure ignition potential in the wildland/urban interface using a science-based approach   |            |
| i.          | (A) Requisite Knowledge - How structures ignite in wildland/urban interface fires   |            |
| ii.         | (B) Requisite Skills – Accurately assess the potential for structure ignitions in wildland/urban interface fires, using scientifically-based analysis               |            |
| <b>II.</b>  | <b>Planning &amp; Preparedness</b>  | <b>24%</b> |
| A.          | Identify appropriate construction materials, material ratings, and techniques for the wildland/urban interface  |            |
| i.          | (A) Requisite Knowledge - Construction materials, material ratings, and appropriate construction techniques for use in the wildland/urban interface                 |            |
| ii.         | (B) Requisite Skills - Identify appropriate construction methods and materials to reduce the risk of structure ignition in the wildland/urban interface             |            |
| B.          | Determine the hazard, risk, and values-at-risk rating, for a wildland/urban interface jurisdictional area   |            |
| i.          | (A) Requisite Knowledge - Appropriate hazard assessment systems, wildland urban interface risks, and values at-risk ratings   |            |
| ii.         | (B) Requisite Skills - Apply a hazard assessment system to a project, property, or jurisdictional area  |            |
| C.          | Assist in the planning phase of homes and subdivisions within the wildland/urban interface  |            |
| i.          | (A) Requisite Knowledge - Subdivision planning and jurisdictional guidelines, applicable policies, procedures, codes, standards, and best practices                 |            |
| ii.         | (B) Requisite Skills - Make observations and recommendations based on wildfire concerns and mitigation techniques   |            |
| <b>III.</b> | <b>Hazard Mitigation</b>  | <b>31%</b> |
| A.          | Create a mitigation plan using treatments appropriate for the wildland/urban interface  |            |
| i.          | (A) Requisite Knowledge - Applicable and effective mitigation treatments, the application of relevant policies, procedures, codes and standards, and best practices |            |
| ii.         | (B) Requisite Skills - Apply effective mitigation treatment techniques based on wildland fire behavior  |            |

## CERTIFIED WILDFIRE MITIGATION SPECIALIST

- B.** Implement fuel modification plans in order to reduce wildland/urban interface hazards
  - i.** (A) Requisite Knowledge - Techniques pertinent to selective tree thinning, brush disposal, pruning, grazing, mowing, prescribed fire, and chemical treatments
  - ii.** (B) Requisite Skills - Prepare clear written treatment prescriptions, and initiate and sustain required fuel modification activities
- C.** Recommend appropriate mitigation strategies for the wildland/urban interface
  - i.** (A) Requisite Knowledge - Fuel types, wildland fire behavior, building construction, defensible space, landscaping, mitigation strategies, and planning documents
  - ii.** (B) Requisite Skills - Select an effective wildland/urban interface mitigation strategy

### **IV. Public Education**

**18%**

- A.** Assist with development and implementation of a wildland/urban interface public education program
  - i.** (A) Requisite Knowledge - Wildland/urban interface fire issues, fire prevention goals, public education delivery methods, and tools
  - ii.** (B) Requisite Skills - Identify fire education needs and to recognize effective tools necessary to implement and measure success of delivery strategies
- B.** Assist with development of written, and audio-visual materials, on the wildland/urban interface fire environment and mitigation techniques
  - i.** (A) Requisite Knowledge - Data resources, information systems including format and materials, learning theory, computer, writing, and editing
  - ii.** (B) Requisite Skills - Collect information in a specific format, generate written or audio-visual materials, recognize and use powerful images, and identify and organize outreach to affected audiences and the community at large
- C.** Coordinate or provide presentations on wildland/urban interface and wildland fire issues
  - i.** (A) Requisite Knowledge - Awareness of potential community partners, community concerns, and available community resources
  - ii.** (B) Requisite Skills - Prepare presentations, facilitate meetings, and motivate partners to achieve goals