

# IMAGERY INTERPRETATION & ANALYSIS

## BLENDED COURSE (F26)

[www.salmtec.com](http://www.salmtec.com) • Regular Rate: \$900 + GST •  
Blended Delivery (OnDemand + Live Instructor-Led)

**Target Audience:** Environmental Biologists, Agrologists, Foresters, Technologists, and Regulatory Land Managers looking to build defensible, regulator-ready skills in imagery analysis and landscape classification.

### Core Learning Outcomes

#### *Foundations (All Participants)*

- **Imagery & Geospatial Analysis:** Interpret imagery and utilize spatial datasets to evaluate ecosystem functions, vegetation patterns, and landscape dynamics.
- **Land Cover Characterization:** Accurately determine percent cover, density, and spatial distribution across diverse natural subregions.
- **Applied Tools:** Navigate provincial GIS viewers and landscape models to optimize project workflows and establish defensible baseline data.

#### *Discipline Pathways (Selected at Registration)*

- **Hydrology Pathway (Wetlands & Watercourses):** Master wetland/watercourse classification protocols; interpret hydrological indicators (flooding, drought, salinity); evaluate hydroperiods and connectivity; and produce defensible delineation maps aligned with regulatory standards.
- **Vegetation Pathway (Inventories):** Apply provincial vegetation inventory standards; evaluate growth stages, stand dynamics, and ecological disturbance; design sound sampling strategies; and generate reliable species distributions and land cover maps.

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## Course Flow & Completion Timeline

Total Time Commitment: **24-28 hours**

Instructor-Led Time: **6-8 contact hours**

Completion Window:

**Self-paced; final completion within 52 weeks (1 year) of enrollment date**

1. **Enrollment & Pathway Selection:** Register for the F26 offering via [www.salmtec.com](http://www.salmtec.com), and select your specialization: 💧 *Hydrology* or 🌿 *Vegetation Inventories*.
2. **OnDemand Foundational Modules (6-8 hours):** Work independently through self-paced video modules, contextual exercises, and check-in quizzes.
3. **Live Virtual Classroom (2 hours):** Attend the interactive *Foundations of Imagery Interpretation* live class on **Friday, October 23, 2026, from 12:00 PM to 2:00 PM MST**. Select your regional Ecozone focus (*Mountains, Grasslands, Parkland, Shield, or Forests*).
4. **Two Customized Practical Activities (16-18 hours total):** For each practical exercise, complete ~6 hours of independent mapping/interpretation, followed by a 2-3 hour flexible, 1-on-1 virtual review with a qualified instructor to defend methods and refine outputs.
5. **Assessment & Certification:** Complete the final online quiz to evaluate competency and immediately download the formal Course Certificate.

Note that this course outline is structured to align with the technical training criteria established under the Canada-Alberta Productivity Grant (CAPG). SALMTEC ([www.salmtec.com](http://www.salmtec.com)) is a third-party training provider and does not administer, guarantee, or approve grant funding. Grant eligibility, employer qualification, and cost reimbursements are adjudicated solely by the Government of Alberta. Employers must submit their training applications directly through the provincial grant management system prior to course commencement.