

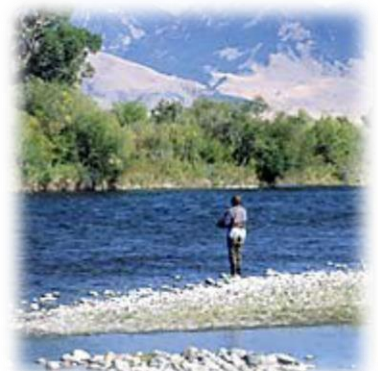
FUNDAMENTALS AND APPLICATIONS OF FIRE ASSAY - SHORT COURSE

**Confirmed Dates:
Saturday to Wednesday,
August 16-20, 2025**

27th Fire Assay Short Course

Hosted by

**Dr. Courtney Young
Metallurgical & Materials
Engineering Department
Montana Tech, Butte, MT**



This is a comprehensive short-course designed to provide fundamental, laboratory and industrial training in Fire Assay. It is valuable to both technical and nontechnical personnel. A wide variety of topics are thoroughly covered:

- History & Methodology
- Sampling Theory & Instrumentation
- Challenges & Applications
- Chemistry & Calculations
- Thermodynamic Evaluations
- Supportive Analytical Methods
- Industrial Tours of Milling, Smelting and Refining Operations as well as Labs
- Applications to Au, Ag and PGMs

An elective Hands-on Lab is offered but is not sponsored by Montana Tech. Demand though is expected to be high with limited space so act fast!

**For more information and
registration forms, please
visit our website at:**

<https://www.mtech.edu/metallurgical-materials-engineering/camps-workshops/index.html>

**and/or contact the
Administrative Assistant:**

Katelyn McNamee

Phone: (406)496-4341

Email: KMcNamee2@mtech.edu



MONTANA
TECHNOLOGICAL UNIVERSITY

Metallurgical and Materials Engineering



Hands-On Lab

**Wednesday
August 20, 2025**

Industrial Tours

**Sibanye-Stillwater
Mining Company
Primary and Secondary
PGM Smelter, Refinery and
Lab, Columbus, MT**

**Barrick Golden Sunlight
Lab, Au and Au-Pyrite
Producer Whitehall, MT**

**Hecla Lab and Lucky
Friday Mill, Primary Ag
Producer, Mullan ID**

**American Analytical
Services, Metallurgical,
Environmental, and
Chemical Lab, Osburn ID**

**Christopherson Inc. and
Silver Valley Labs,
Kellogg, ID**

Visit Majestic Southwest Montana

- Blue Ribbon Fly Fishing
- Camping and Hiking
- Golfing and Wind Surfing
- Rock Climbing
- Water and Snow Skiing
- White Water Rafting
- Lewis & Clark Caverns
- Yellowstone National Park
- Glacier National Park
- Wild Life Viewing Galore
- Butte Trolley Number One
- World Museum of Mining
- Ghost Towns (Haunted)

