

Mountainland Technical College — Limited X-ray Technician Immunization Requirements

Tuberculosis screening and immunization requirements vary by clinical site. The requirements below apply to Intermountain Health and may also be required by other clinical sites. To avoid delays, students are strongly encouraged to complete all applicable immunizations before beginning the program, except TB screening, which should be completed within the timeframe required by the selected clinical site. Additional verification instructions will be provided during the program. Clinical sites determine whether exemptions are accepted, and students who do not meet a site's requirements may have limited clinical placement options. Requirements are subject to change based on clinical-site policies and current public health guidance.

1. Tuberculosis (TB) screening requirement. One of the following is required:

Screening must typically be completed within 60 days before the student begins their clinical experience.

- a. One two-step TST (tuberculin skin tests or PPD tests) (Two-step means two separate TB skin tests)
- b. One QuantiFERON Gold blood test with negative results.
- c. One T-SPOT blood test with negative results.

If previously positive to any TB test, the student must complete a symptom questionnaire and have a chest X-ray read with a normal result. The chest X-ray must have been taken within the previous six months. If the chest X-ray is abnormal, the student needs to be cleared by their physician or local health department before beginning their training at an Intermountain Health facility.

2. Measles (Rubeola), Mumps, and Rubella requirement. One of the following is required:

- a. Proof of two MMR vaccinations.
- b. Proof of immunity to Measles (Rubeola), Mumps, and Rubella through blood test/titer results

3. Tetanus, Diphtheria, and Pertussis (Tdap) and Booster requirements. Both of the following are required:

- a. Proof of one Tdap vaccination after age 10.
- b. Proof of one Tdap booster within the last 8 years.

4. Varicella (Chicken Pox) requirement. One of the following is required:

- a. Proof of two Varicella vaccinations.
- b. Proof of immunity to Varicella through blood test/titer results

5. COVID-19 vaccination:

- a. Follow the requirements of the selected clinical site. COVID-19 vaccination is not currently required by most clinical sites.

6. Current seasonal Influenza vaccination requirement:

- a. Proof of **current**, annual influenza vaccination. Flu season generally runs from October 1 through March 30. These dates may vary as determined by a clinical site.
 - Intermountain Health and some other clinical sites require students to maintain a current seasonal influenza vaccination during flu season.

7. Hepatitis B requirement. One of the following is required:

- a. A quantitative HBsAb titer blood test indicating immunity to Hepatitis B (positive/reactive result)
- b. Documentation of a completed 2-dose Heplisav-B series

- c. **Documentation of a completed 3-dose Hepatitis B vaccine series** (Engerix-B, Recombivax HB; PreHevbrio, or Twinrix)
- **If the antibody testing titer is negative/non-reactive (<10 mIU/mL) after completing a full Hepatitis B series:**
 - **You must begin a second Hepatitis B vaccine series**, typically using the **2-dose Heplisav-B** schedule.
 - Start with a **challenge dose**, which is the **first dose of the 2-dose Heplisav-B series** given after completing a previous Hepatitis B vaccine series. A challenge dose is used to help reestablish or further establish immunity. Repeat a **quantitative HBsAb titer 4-8 weeks after the first challenge dose (first dose of the Heplisav-B)**.
 - If the result is **positive (≥ 10 mIU/mL) after the first challenge dose**, you are considered **immune** to Hepatitis B and no further doses are needed.
 - If the result remains **negative (<10 mIU/mL)**, proceed with the **second (final) Heplisav-B dose**. After the final dose, repeat the **titer 4-8 weeks later**.
 - If results still remain **negative 4-8 weeks after completing the last dose of a second series of Hepatitis B vaccines**, you will be classified as a **non-responder**, in accordance with CDC guidelines. If the Hepatitis B Surface Antibody test is negative (titer less than 10 mIU/mL) after a primary and repeat vaccine series, vaccine non-responders should be counseled and evaluated appropriately. Certain institutions may request signing an “acknowledgement of non-responder status” document before clinical placements.

**Students who are pregnant must consult with their physician prior to receiving any required vaccinations or undergoing related testing.*

**Please be aware that clinical sites reserve the right to deny access to any student who is not fully compliant with all required immunizations and testing.*