

Scouting USA Nuclear Science Merit Badge Event, Schedule Version 0
In Conjunction with MU Merit Badge University Day

Saturday, October 25, 2025

MU Research Reactor

0830-0850	Scouts Arrive at Facility / No Need to check-in at Jesse Auditorium
0850- 0900	Check-In at Security Desk
0900	Welcome, Security Briefing, and Introductions
0905	Requirements 1a and 1b: Define Radiation (Prerequisite), and Hazards of Radiation – Hall
1020	Requirement 1.c: Radiation Hazard Symbol
1030	Requirement 3.a: Cyclotron Tour?
1045	Break – Snacks in NOA Lunchroom
1100	Requirement 4.b: Cloud Chamber Demonstration
1115	Requirement 1.d: Radiation at NPP vs Chest/Dental X-Ray
1130	Requirement 2a: Definitions (prerequisite)
1200	Requirement 2.b: Construct Element Models
1215	LUNCH, NOA Lunchroom – provided by GRC
1245	Requirement 4.d: Visit nuclear facility (45-minute MURR tour) ▪ Group 1 (10 Scouts): Reactor Facility Tour ▪ Group 2 (5 Scouts): Reactor Facility Tour
1345	Requirement 5.a, Radiation Measurements
1415	Requirement 7: Plant Science
1420	Break
1430	Requirement 7 (continued): How Energy from Atom is Used
1515	Requirement 6.c: Find NPPs Nearest Home Location (prerequisite review)
1530	Requirement 8: Careers in Nuclear Science (prerequisite review)
1600	Wrap Up, Review, Questions, and Badge Information
1615	Adjourn, Facility Check Out