

EXCELLENCE IN STEM EXPERIENTIAL EDUCATION (EXSD)

Courses

EXSD 504. EXSEED STEM Education. 3 Units.

Individually and collaboratively investigate STEM/STREAMS initiatives and programs at all K-12 levels. Includes examination of state and Seventh-day-Adventist education standards, exploring an interdisciplinary approach to STEM/STREAMS education using a project-based learning approach through a mission-focused learning lens. Incorporates a blend of hands-on workshops, readings, and reflective discourse opportunities. Grant proposal writing will be considered a voluntary and enhancing component.

EXSD 505. Design Thinking: STEM Leadership. 3 Units.

Investigates individual and collaborative "Design Thinking" principles, stages, and tools with the goal of applying them to Seventh-day Adventist K-12 educational challenges. Includes theory, activities, and case studies designed to cultivate an experimental culture, embrace failure, and adopt a human-centered approach. Incorporates a blend of hands-on workshops, readings, and reflective discourse opportunities.