

LEARNING ANALYTICS, MS

LEARNING OUTCOMES

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1. Demonstrate a strong foundation in current and past learning theories and research findings.
2. Describe how human diversity (in terms of individual abilities, orientations, and sociocultural backgrounds) has ethical implications for research and practice in the learning analytics field.
3. Implement a variety of both quantitative and qualitative methodologies associated with the field and determine their ethical implications and appropriate use.
4. Develop research questions relevant to learning analytics and the contexts in which it is applied, and use a range of current qualitative, statistical analysis, and data visualization programs to answer them.
5. Develop written, visual, and oral skills needed to effectively communicate analyses to professional/practitioner and lay audiences.
6. Practice the fundamentals of client collaboration, research design, data collection, data analysis, and data communication through participating in a capstone project.