



23G7-66E6-JJYP

The Pennsylvania State University



This certifies that

Jeffrey David Toony

has successfully completed the requirements for the postbaccalaureate certificate in

Geographic Information Systems

Awarded August 2023

Lee Rump

Dean of the College of Earth and Mineral Sciences

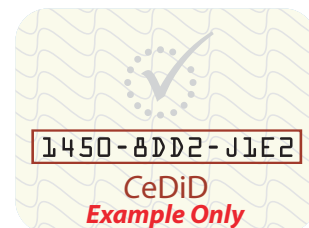
Dr. Levon T. Esters

Dean of the Graduate School and
Vice Provost for Graduate Education



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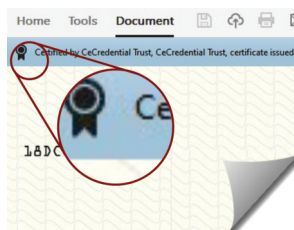
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