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Nexus Degrees: Using Analytics to Create New Curricula in Mathematics, Computer Science and Beyond!

In this paper, we discuss efforts in the Department of Mathematics and Computer Science at Albany State University to create new curricula in Mathematics and Computer Science. In studying employer job skill demand, student curricula demand and the demand projections in the job market, techniques from analytics can help us pinpoint key requirements from employers, the market demand for different skill sets and the most effective way to train students to meet business and industry demand. We review our efforts and the lessons we have learned along the way thus far (Received September 25, 2018)