THE STATE OF INFORMATION SYSTEMS CURRICULA ACCORDING TO IS2020 COMPETITENCIES FRAMEWORK

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ABSTRACT

To address the needs of future Information Systems (IS) professionals, the current IS2020 Task Force developed a competency-based model for undergraduate programs curriculum that takes into account the technological, organizational, and societal advances in the last decade. The model extends the competency thinking initiated in IS2010, IT2017, MSIS2016 and CC2020 that focuses on the graduate's ability to apply knowledge (know-what), skills (know-how), and dispositions/attitudes (know-why) to effectively perform their work. Overall, IS2020 identifies nine competency areas in six competency realms: IS foundations, Data, Technology, Development, Organizational, and integration.

This study collected 2,172 core courses offered by 343 undergraduate IS programs in the United States. The title and description of the courses were analyzed and mapped to the IS2020's nine competency areas. The results present a panoramic snapshot of the IS core offered in the nation from the perspective of IS competencies.

Keywords: IS Curriculum, IS2020, IS Competencies

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