

STUDENT MOTIVATION IN STEM CAREERS AT THREE NORTHWEST UNIVERSITIES OF MEXICO

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Abstract

In recent times, women have been slowly making their way into engineering. One the most booming fields internationally. Currently, the 30% of total student population enrolled in an engineering related program are women. The questionnaire Relevance of Science Education questionnaire (ROSE-Q) was applied to students from three universities in the northwest region of Mexico. In order to investigate intrapersonal and interpersonal factors that may influence the choice of career.

Students provided their opinions, most of which are linked to family, cultural background and particular aspirations. It is the necessary to implement STEM model with the aim of improving gender differences and recruiting more talented female students in science and engineering related fields as a platform for the economic development of countries.