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Equity and quality in a mathematics program for under-represented students at an elite public university.

Atweh, Bill (ed.) et al., Mapping equity and quality in mathematics education. Dordrecht: Springer (ISBN 978-90-481-9802-3/hbk; 978-90-481-9803-0/ebook). 569-584 (2011).

Summary: We describe the impact of the Douglass Houghton Scholars Program (DHSP), which seeks to increase the enrollment of minorities in science, technology, engineering, or mathematics (STEM) degrees at the University of Michigan. In the first three years of the program, the number of minority students taking two mathematics courses, earning high grades, and choosing a major in the STEM disciplines increased dramatically. We illustrate that the sustainability of programs such as this one depends on adequate instructional, administrative, and financial support; the articulation of these areas is key for maintaining a high-quality program that will address equity and diversity agendas in higher education institutions.

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