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William H Barker* (barker@bowdoin.edu), Department of Mathematics, Bowdoin College, 8600 College Station, Brunswick, ME 04011-8486. *The Curriculum Foundations Project: What Do Our Partner Disciplines Need?* Preliminary report.

The vast majority of students in the mathematics courses of the first two undergraduate years are planning for majors in disciplines other than mathematics. Given this fact, CRAFTY ("Calculus Reform And the First Two Years") has organized an ambitious series of workshops with representatives of our partner disciplines. Known collectively as the Curriculum Foundations Project, the series began in October 1999 with a workshop at Bowdoin College centered on physics and computer science, and will finish with a workshop in February 2001 at MSRI on preparation for graduate study in mathematics. In all, there will be eleven workshops, most funded locally, and all producing reports on the mathematical principles needed during the first two undergraduate years by students in the featured disciplines. This talk will present an overview of the Curriculum Foundations Project, and will serve as an introduction for the numerous workshop representatives who will deliver presentations and serve on panels during the Joint Meetings. (Received October 03, 2000)