1125-F1-2806 Cathy W Grilli* (cgrilli@cbu.edu), Christian Brothers University, 650 East Parkway South, Memphis, TN 38104, and Andrew Diener. Two Approaches to Precalculus. Preliminary report. Christian Brothers University split our precalculus population by ACT scores. Those with higher Math ACT scores take the traditional Precalculus, those with lower scores take a combination of a Functions course and a Trig course. The courses are coordinated and run concurrently which is different from most schools that divide the subject into an algebra and a trig course. Topics are aligned so that circles in the Functions course lead to the unit circle trig definitions. Solving quadratic equations leads to quadratic form equations involving trig functions. Inverse functions in the Functions course lead to the inverse trig functions. This immediate reinforcement helps students see how mathematics builds on itself and promotes student success. CBU is a small school where the majority of students taking precalculus are engineering majors. While half of those that declare engineering as their major begin in precalculus the engineering paradigms begin with Calculus I. The increased need for immediate success in precalculus driven by our structured engineering curriculum led us to explore new options. We will share our experiences in the combination of courses as well as the impact on students in the traditional Precalculus course. (Received September 20, 2016)