

UM-Rolla's Introduction to Engineering Summer Camp

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This paper describes University of Missouri-Rolla's Introduction to Engineering summer camp. This week-long camp, geared to high school rising juniors and seniors, attempts to answer three questions for students. First, is engineering for me? They learn about the engineering profession and solve some simple engineering problems. Second, is there an engineering field that particularly interests me? They learn about the fifteen different majors offered at UM-Rolla, they tour some departments, and they participate in hands-on activities in departments they select. Third, does UM-Rolla seem to be a good school for me? They stay in dormitories for five nights, they walk daily on campus, attending classes, working in labs. They have ample contact with faculty, graduate students, and undergraduates. They recreate in campus facilities, picnic in community parks, and walk the streets of Rolla. This paper discusses the camp's twenty year history, philosophy, program content, and activities. It also presents enrollment yield data for students participating in the program.