

University of Detroit Mercy, College of Engineering and Science
Summary of Pre College Programs
September 2006-August 2007

PROGRAM	DESCRIPTION	APPROX. NUMBER OF STUDENTS	APPROX. UNDER-REPRESENTED MINORITY	APPROX FEMALE
DAPCEP Fall Saturday Programs (Oct-Nov 06)	Enrichment classes for 4th through 12th graders designed to expose students to and interest them in engineering, computer science, math, chemistry and biology. Seven fall courses, 15 sections.	721	99%	45%
DAPCEP Spring Saturday Programs (Mar-Apr 07)	Enrichment classes for 4th through 12th graders designed to expose students to and interest them in engineering, computer science, math, chemistry and biology. Six spring courses, 14 sections.	705	99%	47%
DAPCEP Summer UNITE Program (July 07)	A four-week intensive academic program for students entering the 9-10 th grades who take courses for college credit in math, computers, writing, speech and physics.	44	99%	67%
MIOH-UTC TRANSIT Program (July 07)	A one-week program for rising high school students exploring the world of transportation.	23	100%	50%
Technology Discovery Day (Oct 06)	A one-day "science and engineering fare" for high schools in the metro Detroit area. Highlights include science-based competitions, corporate displays and a student-produced Chemistry Magic Show.	714	33%	50%
STEPS Summer Camp (Jun-Jul 07)	A one week-residential summer camp for girls entering the 10 th or 11 th grade. The goal is to introduce the campers to engineering through hands-on activities, dealing with robotics, and interaction with engineering students and professionals.	79	62%	100%
STEPS into High School (Sep 06 – May 07)	An extension of the summer STEPS Camp for high school students during the academic year. The program was based around VEX Robotics and culminated in a FIRST VEX Competition in March and April 07.	160	90%	25%
FIRST LEGO League State Tournament (Dec 06)	In our eighth year, the University is partnered with General Motors to bring the FLL effort to the State of Michigan.	720	10%	50%
FIRST Robotics	This is the College's 9 th year participating in the FIRST Robotics Competition and in 2007 partnered with the University of Detroit Jesuit High School.	20	5%	0%
Ford-UDM Partnership for Advanced Studies	This partnership with Ford Motor Company provides complete courseware and training for five courses. These courses combine standards based curriculum, and life and career skills in a context of business and manufacturing activities.	600	70%	40%
TOTAL/AVERAGE		3786 TOTAL	67% AVERAGE	47% AVERAGE