



University of Detroit Mercy, College of Engineering and Science
Summary of Pre-College Programs
September 2007-August 2008

| PROGRAM | DESCRIPTION | APPROX. NUMBER OF STUDENTS | APPROX. UNDER-REPRESENTED MINORITY | APPROX FEMALE |
|---|--|----------------------------|------------------------------------|--------------------|
| DAPCEP Fall Saturday Programs (Oct-Nov 07) | Enrichment classes for 4 th through 12 th graders designed to expose students to and interest them in engineering, computer science, math, chemistry and biology. Eight fall courses. | 684 | 99% | 54% |
| DAPCEP Spring Saturday Programs (Mar-Apr 08) | Enrichment classes for 4 th through 12 th graders designed to expose students to and interest them in engineering, computer science, math, chemistry and biology. Seven spring courses. | 759 | 99% | 50% |
| DAPCEP Summer UNITE Program (July 08) | 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% | 46% |
| MIOH-UTC TRANSIT Program (July 08) | A one-week program for rising high school students exploring the world of transportation. | 17 | 75% | 18% |
| Technology Discovery Day (Oct 07) | 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. | 673 | 33% | 50% |
| STEPS Summer Camp (Jun-Jul 08) | A one week-residential summer camp for girls entering the 10 th through 12 th grades. The goal is to introduce the campers to engineering through hands-on activities, dealing with robotics, and interaction with engineering students and professionals. | 91 | 66% | 100% |
| STEPS into High School (Sep 07 – May 08) | An extension of the summer STEPS Camp for high school students during the academic year. The program was based around VEX . | 160 | 90% | 25% |
| FIRST LEGO League State Tournament (Dec 07) | In our ninth year, the University is partnered with General Motors to bring the FLL effort to the State of Michigan. | 720 | 10% | 50% |
| FIRST Robotics | This was the College's 11 th year participating in the FIRST Robotics Competition and in 2007, partnered with the team from University of Detroit Jesuit High School. | 12 | 25% | 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. | 2736 | 60% | 50% |
| TOTAL/AVERAGE | | 5896 Total | 62% Average | 50% Average |