UCMAP Programs List

- **School-University Partnerships**
  UC Merced has established unique partnerships with schools in the San Joaquin Valley. These School-University Partnerships offer customized school-centered and professional development programs to meet the specific curricular needs of students, teachers and administrators at selected elementary, middle and high schools. Partnerships have been established in Fresno, Merced, and Kern Counties. New Partnership Programs are being designed for Stanislaus County schools.

- **Great Explorations in Math and Science (GEMS)**
  A professional development program created by the Lawrence Hall of Science for K-12 teachers of science and math. The focus is on sharing innovative science and math teaching techniques with lead teachers who then return to their own schools to conduct workshops for their colleagues.

- UC Merced Writing Project

- **Yosemite Institute for Teachers**
  A three-day residential, academic field studies program conducted by Berkeley's Lawrence Hall of Science in Yosemite National Park for 4-6th grade teachers.

- **San Joaquin Valley School Leadership Institute**
  A weeklong institute established to strengthen the leadership and decision-making skills of school principals and assistant principals in the region.

- **Laser Science Optics in the Classroom (LSOC)**
  A professional development program designed by Lawrence Livermore National Laboratory that focuses on exposing K-12 teachers to curricular ideas in laser science and optics.

- **Promoting Achievement Through Hands-On Science (PATHS) Program**
  A science education outreach program that utilizes retired faculty and scientists from Lawrence Livermore National Laboratory and the Lawrence Hall of Science GEMS training program to provide curriculum support to local elementary school teachers and to conduct science demonstrations for elementary age students.

- **Health Professions Preparatory Academy**
  The Doctor's Academy at Sunnyside High School in the Fresno Unified School District aims to increase the number of underrepresented K-12 students in Fresno County who are prepared for health careers. The UC Merced Office of Academic Programs also supports programs that link students in partnership schools to both the Doctor's Academy and the newly established Jr. Doctor's Academy for middle school students.

- **Summer Session Courses**
  UC Merced, in close cooperation with UC Davis, offers undergraduate level courses for students living in the San Joaquin Valley. See the Summer Session page for current summer course offerings

- **Kids Around the University (KATU)**
  KATU introduces students to college beginning at the 4th grade. The program provides curriculum and training for teachers and supports students in developing information materials for peers about college pathways.

- **ChemMystery Exhibit from Lawrence Hall of Science**
  A hands-on science exhibit for children of all ages developed at the Berkeley Lawrence Hall of Science and brought to the San Joaquin Valley. The ChemMystery Exhibit is currently open at the Buena Vista Museum in Kern County

- **1492 Exhibit**
  A hands-on science exhibit for children of all ages developed at the UC Berkeley Lawrence Hall of Science and brought to the San Joaquin Valley by UC Merced. The 1492 Exhibit is currently open at the Challenger Learning Center in Merced County.