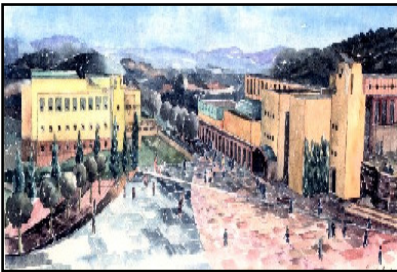


## California State University at San Marcos San Marcos, California

As a Mechanical Engineer, Tony Ngo provided mechanical design for various projects at CSSM campus. Sample of some recent projects are listed below:

### Academic II Complex



As part of the selected design team, Tony Ngo was the Mechanical design engineer of this expansion complex in the core of the new California State Campus near San Diego, providing over 170,000 sq. ft. of classroom, lecture hall, laboratories and faculties office. This complex consists of three new buildings:

- Fine Arts and Humanities
- Social Science and Business including Computer Science classrooms & Lecture Hall
- Biology and Physical Science
- Social Science and Business



**Building 14**, the Academic Hall Building consists of classrooms, Student computer labs, the Student Newspaper lab, and reading room. The Academic Hall II Building housed the College of Business including 69 faculty offices, computer lab, electronic Library carrels to connect to the Information Center, and lecture halls.

**Building 37**, the Science Hall included teaching and research science labs that contained vivarium facility. The Science Hall II will house the Science Departments. This building has computer laboratories, classrooms and Physical Science and Biology Labs with 40 faculty offices.



**Building 26** is the Fine Arts and Humanities Building, which has fine arts labs and studios, classrooms, computer lab, and faculty offices

After completing design of the three buildings, the University found that they did not have the construction budget as they had anticipated. The project, therefore, was broken down into phases of construction. Phase I includes: Academic Complex Building, Social Science Building and Business Building. The design team



members worked very closely with the contractor to change detailing and provided creative design to give CSSU what they desired for their three new facilities while meeting the reduced budget.