A Scalable Skills Certification Program in Geographic Information Systems
NSF-ATE DUE # 0401990

San Diego County Office of Education

Regional Occupational Program

Summarized by Ke Zhu   April 7, 2008

Introduction

The San Diego County regional occupational program (ROP) has been offering occupational training programs since 1969. It is the largest County ROP in the state of California offering over 265 tuition-free courses and serving 45,000 students per year who are at least 16 years of age through adult. Many courses articulated with area community colleges are offer high school and college credit and these courses are based on current and future labor market demands.

Home page of ROP: http://www.sdcoe.k12.ca.us/rop/welcome.asp

ROP Goal

- Cooperate with local school districts in the development of higher level technical courses for junior and seniors enrolled in career majors and/or career paths.
- Continue to reduce paperwork and number of meetings.
- Promote statewide awareness of the quality programs and services offered by the San Diego County ROP.
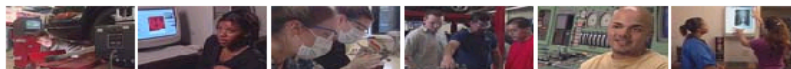- Seek additional funding for career preparation programs.

Funding

ROP courses are funded through student average daily attendance (ADA) by the State of California. San Diego County ROP operates on a budget in excess of 40 million dollars.

Results

- Business and industry are provided a pool of trained, immediately productive individuals who possess the necessary skills and attitudes to be successful employees.
- Students receive training in creating a resume, interviewing skills, and getting and keeping a job.
- Students successfully meet their career and educational goals.
- The community workforce has the availability of a cost-effective training program.

Classes Related to GIS (Spring/Summer 2008)

San Diego ROP course catalog: http://www.sdcoe.net/rop/catalog.asp#catalog

Borrego Springs USD
- Landscape Construction
- Computerizd Graphic Design

Carlsbad USD
- Computerizd Graphic Design/Multimedia

Grossmont CCD
- Graphic Design/Web Design

Grossmont UHSD
- Computer 3-D Design/Animation
- Landscape Maint/Special Needs

Julian UHSD
- Computerizd Graphic Design

Mountain Empire USD
- Computerizd Graphic Design

Oceanside USD
- Computer 3-D Design/Animation
- Computer Science/Programming

Palomar CCD
- Computerizd Graphic Design

Ramona USD
- Landscape Construction
- Computerizd Graphic Design

San Diego USD
- Computerized Graphic Design
- Civil Engineering and Architecture
- Engineering Design and Development
- GIS and Global Technologies
- Hospitality and Tourism
- Photographic Imaging

San Dieguito UHSD
- Computerizd Graphic Design

San Marcos USD
- Graphic Design
- Southwestern CCD
- Landscape Maint

Sweetwater UHSD
- Graphic Design

Valley center USD
- Computerized Graphic Design
- Geographic Information Systes (GIS)/Intro
- Landscape Constrction