

SUSAN D. CROWTHER
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SUMMARY:

I possess a Master of Science degree and a Bachelor of Arts Degree in Biology, and have been a full-time faculty member and educational administrator at College of the Canyons since 1988. As a faculty member I have taught a variety of courses in the Biological Sciences, Chemistry and Education Departments. I served as the faculty Division Chair of the Mathematics and Sciences Division before taking my current position as the MESA (Mathematics, Engineering, Science Achievement) Program Director. As an educator and an educational administrator my focus has been on facilitating student engagement and success and in making science education accessible and relevant.

EDUCATION:

- 1988 **Master's Degree in Biology (with Distinction)**
California State University, Northridge
- 1982 **Bachelor's Degree in Biology, minor in Chemistry**
(Magna cum Laude)
California State University, Northridge

PROFESSIONAL EXPERIENCE:

- 1998-
Present **Founding Program Director – MESA**
(Mathematics, Engineering, Science Achievement) Program
College of the Canyons
Implemented the MESA Program at College of the Canyons and provide leadership and coordination for all services offered by the program. Currently responsible for the day-to-day supervision of the MESA Student Study Center and oversee the activities of participating faculty, staff, student facilitators, student tutors and student center workers. Direct grant budget allocation and maintain center records; prepare reports and work with administration and faculty to facilitate the successful on-going operation of the MESA program. Oversee other STEM initiatives at College of the Canyons including NSF*Transitions* Program, Elementary Science Education Project and the California Connects Program.
- 1995 - 98 **Faculty Division Chair – Mathematics and Sciences Division**
College of the Canyons
Provided Leadership to the Mathematics and Sciences Division was responsible for the day-to-day management of division issues. Led monthly division meetings, supervised the division budget, scheduled science and math courses, facilitated faculty participation in shared governance, and acted as an administrative liaison to the division faculty.
- 1988 – 95 **Assistant, Associate, Full Professor of Biology**
College of the Canyons
Taught a full load of courses within the Biological Sciences and Chemistry Departments including: Cellular and Molecular Biology, Botany, Organismal and Environmental Biology, Contemporary Issues in Environmental Biology, Anatomy and Physiology, Organic Chemistry and Preparatory General Chemistry.

AWARDS:

- MESA Center of Excellence Award, 2005, 2006
MESA Director Exemplary Dedication Award, 2010

GRANT PARTICIPATION AND PRESENTATIONS:

- MESA Renewal Grants, Ongoing from 1998
NSF S-STEM Transitions Program, 2009
MSTI California Math Science Teacher Initiative Mini Grants, 2009, 2010
Learn and Serve America Elementary Science Education Project, 2010
Focus the Nation Environmental Conference, 2008
Santa Clarita AAUW Women in Science and Math Conference, 2010

OUTREACH PROGRAMS:

- MESA Outreach, Science Demonstrations for Elementary and Junior High School Students
MESA Outreach, Science Fair Preparation for low income Elementary Students
Service Learning Component for Biology 107, Teaching Elementary School Science Lessons