



MICHAEL ANDERSON

ASSOCIATE PROFESSOR

CONTACT

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SKILLS

- Technology Integration
- Curriculum Innovation
- Student-Centered Learning
- Research Collaboration
- Data Analysis
- Community Engagement

LANGUAGES

- English
- Spanish
- French

EDUCATION

M.S. IN CHEMICAL ENGINEERING,
UNIVERSITY OF CHEMICAL SCIENCES

ACHIEVEMENTS

- Awarded the Innovative Teaching Award in 2020.
- Secured a \$50,000 grant for developing online resources in chemical engineering education.
- Recognized for outstanding contributions to the engineering community by the local professional society.

PROFILE

Results-oriented Chemical Engineering Educator with extensive experience in teaching and curriculum development within the chemical and petroleum industries. Known for integrating cutting-edge technology into the classroom to enhance learning and practical application of chemical engineering principles. A strong advocate for student-centered learning, I emphasize critical thinking and problem-solving skills necessary for the evolving challenges in chemical engineering.

EXPERIENCE

ASSOCIATE PROFESSOR

National University of Engineering

2016 - Present

- Designed a hybrid learning program combining online and in-person instruction for chemical engineering courses.
- Led a team of faculty in developing a new laboratory curriculum focused on petrochemical processes.
- Incorporated real-time data analysis tools in class projects, enhancing student engagement.
- Conducted workshops for faculty on best practices in engineering education.
- Advised student organizations on engineering projects that promoted sustainability.
- Published multiple articles on teaching methodologies in engineering education journals.

LECTURER

City College of Engineering

2014 - 2016

- Taught core chemical engineering courses, focusing on thermodynamics and fluid mechanics.
- Developed hands-on laboratory experiments that increased student lab scores by 20%.
- Participated in community outreach programs to promote STEM education among high school students.
- Implemented feedback mechanisms to improve course delivery and content.
- Collaborated with local industries to provide students with internship opportunities.
- Facilitated student presentations at national engineering conferences.