

Short Curriculum Vitae

Douglas D. Frey

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Education

Ph.D., Chemical Engineering, University of California, Berkeley, 1984.
M.S., Chemical Engineering, University of California, Berkeley, 1980.
B.S., Chemical Engineering, Stanford University, 1978.
B.A., Chemistry, Willamette University (combined degree program), 1978.

Positions Held

Professor, Department of Chemical and Biochemical Engineering,
University of Maryland Baltimore County (2001-present).

Program Director and Expert Consultant, Separation Processes Program,
National Science Foundation (2001-3, 2005-6).

Department Chairman, Department of Chemical and Biochemical Engineering,
University of Maryland Baltimore County (1995-2000).

Associate Professor, Department Chemical and Biochemical Engineering,
University of Maryland Baltimore County (1993-2001)

Associate Professor, Chemical Engineering, Yale University (1990-93).

Assistant Professor, Chemical Engineering, Yale University (1984-90).

Research Areas

Separation methods in biotechnology and proteomics, chromatography of biopolymers, transport processes in porous media, dehydration processes, adsorption of biopolymers to surfaces.

Douglas D. Frey (cont.)

Other Experience and Professional Memberships

Editorial Board Member for *Biotechnology and Applied Biochemistry* (2004 - present)

Graduate Program Director, Department of Chemical and Biochemical Engineering, University of Maryland Baltimore County (2007 - present).

Undergraduate Program Director, Department of Chemical and Biochemical Engineering, University of Maryland Baltimore County (2000-7)

Consultant for W.R. Grace and Grace Davison Discovery Sciences (1997 - present)

Member of American Chemical Society

Member of American Institute of Chemical Engineers

Reviewer for *Journal of Chromatography A*, *Biotechnology Progress*, *Analytical Chemistry*, *AIChE Journal*, and *Biotechnology and Bioengineering*

University Courses Taught

Heat and Mass Transfer (undergraduate level)
Separation Processes (undergraduate and graduate levels)
Process Dynamics and Control (undergraduate and graduate levels)
Introduction to Chemical Engineering (undergraduate level)
Chemical Engineering Laboratory (undergraduate level)
Biochemical Engineering Laboratory (undergraduate level)
Thermodynamics (graduate level)
Transport Phenomena (graduate level)

Honors and Awards

Henry Ford II Scholar Award (chosen by Stanford University faculty as the outstanding graduating senior from the School of Engineering in 1978),
Phi Beta Kappa, Sigma Xi.

Publications

More than 60 peer-reviewed articles have been published in such journals as *Biotechnology and Bioengineering*, *Journal of Chromatography A*, *Biotechnology Progress*, *Analytical Chemistry*, *AIChE Journal*, *Chemical Engineering Science*, and *Chemical Engineering Education*.