

TWO-YEAR CERTIFICATE PROGRAM



INSTRUCTOR BIOS



Co-founder of the Biomimicry Guild, DAYNA BAUMEISTER's fascination and intrigue with the natural world began early with daily forays into the woods behind her home and weekend trips to the mountains with her family. As an adult, nature has been an inspiration in all of her personal and professional endeavors. Starting at the coastal seashore of Florida, Dayna received a BS in Marine Biology from New College in Sarasota. After several years exploring the intricate relationships of coral reefs, she turned in her wetsuit and headed back to the mountains. There, Dayna earned a MS in Resource Conservation and a PhD in Organismic Biology and Ecology from the University of Montana in Missoula, specializing in dynamics of positive interactions among animal and plant life. With a background in biology, a devotion to applied natural history, and a passion for sharing the wonders of nature with others, Dayna has worked in the field of Biomimicry since 1998 as an educator, researcher, and design consultant. As co-founder and keystone for the Biomimicry Guild, Dayna acts as the liaison between all members of the Guild. In addition, she brings her skills as a systems thinker and organic communicator to her dynamic workshops, presentations, seminars, and exhibits, which have introduced the idea of nature as model, measure, and mentor to thousands of designers, business managers, and engineers around the country. Bringing home the principles of life that she espouses in her work, Dayna finds physical and spiritual sustenance as a gardener, hunter, yoga instructor, and naturalist. She lives with her family in the foothills of the inspiring landscape of the rugged Rocky Mountain Front in Montana.



DENISE DELUCA is a registered professional engineer in Montana and a LEED AP. Denise received her bachelor's in Civil Engineering from the University of Wisconsin-Madison where she grew up, and her masters in Civil and Environmental Engineering from Montana State University in Bozeman. Denise has over 15 years of experience in both the public and private sectors in projects related to surface and groundwater quantity and quality modeling and analyses, environmental compliance, alternative waste management, and green building strategies. Most recently, Denise has been dba Emergent Solutions, an independent consulting service which focuses on strategies for sustainability. Denise is excited about her most recent project, developing The Biomimicry Resource Handbook, and her new position with The Biomimicry Institute developing outreach materials and programs, particularly targeted at engineers, architects, and designers.



CINDY GILBERT was raised on a small farm in southern Ontario where she spent her days wandering in woodlands and playing in creeks. It was from her first 18 years of life on the farm and understanding the true nature of one place that she developed her passion for sustainable living. Since that time Cindy has nurtured awe for the natural world through a combination of travel, research and education. Cindy completed her MS in wildlife science from Oregon State University and her BSc in biology from the University of Guelph in Ontario. Cindy's research focused primarily on the impacts of climate change on polar wildlife. Cindy also has extensive teaching experience; she has taught in elementary school classrooms, at the university level, as well as with environmental education programs. Cindy earned her graduate diploma in education from Griffith University in Queensland, Australia. Cindy began working as the Director of University Education for The Biomimicry Institute in the summer of 2007. Since that time she has piloted an interdisciplinary university course in biomimicry and has been focused on identifying the core requirements of being an effective student and teacher of biomimicry.



CARL HASTRICH is an Industrial Designer who sees biomimicry as a stepping stone towards evolving the way we approach design and nurture sustainable, innovative thinking. His background involved working in the Toy Industry in home town Melbourne making a variety of products, from collectable figurines to yo-yos. Having been exposed to the unsustainable practices going on in Toy Design and the toxic manufacturing environments in China he was interested in looking for new avenues to address these issues. Carl now works with Janine Benyus and Dayna Baumeister with the Biomimicry Guild in Montana and teaches at the Ontario College of Art and Design in Toronto, exploring biomimicry and how it may evolve traditional design processes.



BRUCE HINDS is an Assistant Professor of Design at the Ontario College of Art & Design where he teaches Design Process, Interaction Design, Design Drawing, Think Tank (co-chair) and Biomimetics (curriculum leader). As a licensed Architect, Bruce maintains an active practice addressing issues of sustainable community structures in the Third World. Current projects include working with a multidisciplinary team of physicians and specialists in the Kilimanjaro Region of Tanzania to construct a sustainable community for children affected and infected with HIV. Bruce is an active member of the Architectural Institute of British Columbia, The Ontario

Association of Architects, The Royal Architectural Institute of Canada, Associate of the Architectural Institute of America, member of Architects for Humanity and the Toronto Society of Architects and an associate of the Ontario College of Art. Bruce holds degrees in Psychology, Architecture and Painting.



JANET KUBLER grew up in Eastern Pennsylvania in a family of many engineers and artists. Most of her adult life was spent somewhere on the shores of the North Atlantic, between Maryland and the Canadian border on the west and the UK on the east. In 1999, she moved to Southern California where she teaches biology at California State University in Northridge, CA, works with volunteer naturalists at Placerita Canyon Natural Area and teaches art in elementary school. Since she was an undergraduate, she has been researching the roles of algae in the complex system of coastal oceans.



CURT MCNAMARA, P.E. is an electrical engineer from Minnesota with over 20 years experience in product design and development. He created the innovation and systems classes for the Minneapolis College of Art and Design's Sustainability certificate and is a scholar of Buckminster Fuller. Curt has worked with biomimicry for many years, teaches it to design students, and has a research group that studies how to apply it to engineering. In 2000 he received the IEEE Millennium medal for his work in education.



BETH ROBINOWITZ grew up in Tulsa, Oklahoma. She has a B.S. in Science, Technology and Society from Stanford University and an M.B.A. from Columbia University. Beth first got involved with the Biomimicry Institute in 2006, when she attended a design workshop in Costa Rica. She currently works in Boston as the Manager of Project Evaluation & Business Development for a renewable power producer, Enel North America, evaluating and developing renewable energy projects across technologies, including wind, geothermal, hydroelectric and solar. She has

business experience in different contexts, ranging from business strategy work for the Biomimicry Guild, to creative development work for Producers of the CBS series, "C.S.I.", to analytical work for green investors.