Appendix C

Training and Education Initiatives in Biotechnology

Note: The programs and degrees listed here do not include the more traditional disciplines that contribute to biotechnology, such as genetics, molecular biology, microbiology, and chemical engineering, though most of the universities listed here offer those degrees as well. Listing here does not constitute any endorsement or certification by OTA.

California

*California Polytechnic State University
Biochemical Engineering
San Luis Obispo, CA 93407
Degrees offered: B.S./M.S.
Year of Initiation: 1986

California State University, Hayward
Certificate Program in Biotechnology
Department of Biological Sciences
Hayward, CA 94542
Degrees offered: M.S. with certificate in Biotechnology
Year of Initiation: 1986

California State University, Los Angeles
Certificate Program in Biotechnology
Department of Biology
5151 State University Dr.
Los Angeles, CA 90032
Degrees offered: Graduate Certificate in Biotechnology
Year of Initiation: 1987

San Diego State University
Program for Biotechnology Education and Research
Molecular Biology Institute
San Diego, CA 92182
Year of Initiation: 1980

San Francisco State University
Genetic Engineering Certificate
Department of Biology
San Francisco, CA 94132
Degrees Offered: Certificate
Year of Initiation: 1983

University of California, Davis
Biotechnology Program
College of Agriculture and Environmental Science
Davis, CA 95616
Degrees Offered: B.S., M.S., Ph.D. in various disciplines
Year of Initiation: Not Applicable

District of Columbia

Catholic University of America
Center for Advanced Training in Cell and Molecular Biology
Room 103 McCort-Ward Building
Washington, DC 20064
Degrees Offered: None
Year of Initiation: 1982

Florida

*University of Florida
Florida Biotechnology R & D Institute
1 Progress Blvd.
P.O. Box 26
Alachua, FL 32615
Degrees Offered: None
Year of Initiation: 1987

*University of Florida
Interdisciplinary Center for Biotechnology Research
1301 Fifield Hall
Gainesville, Florida 32611
Degrees Offered: None
Year of Initiation: 1987

*Survey information not provided by program to OTA.
University of South Florida
Biotechnology Tracks
Tampa, FL 33620
Degrees Offered: Biotechnology Tracks in Chemical Engineering and Biology; Combined B.S./M.S. in Biotechnology is planned
Year of Initiation: 1985

Georgia
*University of Georgia
Biotechnology Center
Athens, GA 30602
Degrees Offered: None
Year of Initiation: 1982

Illinois
University of Illinois—Urbana/Champaign
Biological Engineering Program and Bioprocess Engineering Research Laboratory
Bioprocess Engineering Laboratory Committee
208 North Romine
Urbana, IL 61801
Degrees offered: M.S. and Ph.D. in Biological Engineering (planned)
Years of Initiation: Research (1986); Engineering Program (1988)

Iowa
*Iowa State University
Biotechnology Program
Office of Biotechnology
1301 Agronomy
Iowa State University of Science and Technology
Ames, IA 50011
Degrees offered: none
Year of Initiation: 1984

University of Iowa
Biocatalysis: A Graduate Program in Biotechnology
College of Pharmacy
Iowa City, IA 52242
Degrees Offered: No specific biotechnology degree
Year of Initiation: 1983

University of Iowa
Biochemical Engineering/Biotechnology
Department of Chemical & Materials Engineering
Iowa City, IA 52242
Degrees offered: MS., Ph.D. in Chemical and Materials Engineering with emphasis in Biochemistry/Biotechnology
Year of Initiation: 1985

University of Iowa Medical School
Iowa Biotechnology Training Program
Department of Microbiology
Iowa City, IA 52242
Degrees Offered: No specific biotechnology degree
Year of Initiation: 1984

Kentucky
University of Kentucky
Biotechnology Undergraduate Degree
Department of Biochemistry
800 Rose St.
Lexington, KY 40536
Degrees Offered: B.S. in Biosciences/Biotechnology
Year of Initiation: 1987

Maryland
University of Maryland, Baltimore County
Master of Science in Applied Molecular Biology
Applied Molecular Biology
Department of Biological Sciences
Catonsville, MD 21228
Degrees offered: M.S., 5-year B.S./M.S.
Year of Initiation: 1981

Massachusetts
*Becker Junior College
Biotechnician Program
3 Paxton St.
Leicester, MA 01524
Degrees Offered: A.A.S.
Year of Initiation: 1988

Massachusetts Institute of Technology
Biochemical Engineering
Department of Applied Biological Sciences
MIT Room 20A-207
Cambridge, MA 02139
Degrees Offered: M.S. and Ph.D. in Biochemical Engineering
Year of Initiation: 1955

Massachusetts Institute of Technology
Biotechnology Process Engineering Center
Biotechnology Process Engineering Center
Room 20A-207
Cambridge, MA 02139
Degrees Offered: None
Year of Initiation: 1985

*Survey information not provided by program to OTA
aThe Department of Applied Biological Sciences at the Massachusetts Institute of Technology is being phased out.
*Metropolitan College
Boston University
Biotechnology Program
755 Commonwealth Ave.
Boston, MA 02215
Degrees offered: A.A.S.
Year of Initiation: 1987

Tufts University
Biototechnology Engineering Center
Pearson Building P-103
Medford, MA 02155
Degrees offered: B.S./M.S., MS., Ph.D. in Biochemical/Chemical Engineering; Certificate program in biotechnology processing
Year of Initiation: 1986

Worcester Polytechnic Institute
Biototechnology
Department of Biology and Biotechnology
Worcester, MA 01609
Degrees offered: B.S. and M.S. in biotechnology
Year of Initiation: 1982

Michigan
Ferris State College
Biototechnology Emphasis, B. S., Applied Biology
Department of Biological Sciences
Big Rapids, MI 49307
Degrees Offered: B. S., Applied Biology
Year of Initiation: 1988

Minnesota
University of Minnesota
Program in Microbial Engineering
Box 196
School of Medicine
420 Delaware St., S.E.
Minneapolis, MN 55455
Degrees Offered: M.S. in Microbial Engineering
Year of Initiation: 1984

University of Minnesota
Institute for Advanced Studies in Biological Process Technology
240 Gortner Laboratory
1479 Gortner Ave.
St. Paul, MN 55108
Degrees Offered: Ph.D. minor in Biological Process Engineering is under development
Year of Initiation: 1985

Montana
Montana State University
Institute for Biological and Chemical Process Analysis
Bozeman, Montana 59717
Degrees Offered: None
Year of Initiation: 1983

Nebraska
Central Community College
Biototechnology Program
P.O. Box 1024
Hastings, NE 68901
Degrees Offered: A.A.S.
Year of Initiation: 1986

New Jersey
*Rutgers University
Biochemical Engineering
Department of Chemical and Biochemical Engineering
P.O. Box 909
Piscataway, NJ 08854
Degrees Offered: B. S., M.S., and Ph.D. in Biochemical Engineering
Year of Initiation: 1970

*Rutgers University
Certificate in Biotechnology
Department of Chemical and Biochemical Engineering
P.O. Box 909
Piscataway, NJ 08855
Degrees Offered: Certificate in Biotechnology
Year of Initiation: 1982

*Rutgers University
Center for Advanced Biotechnology and Medicine
P.O. Box 759
Piscataway, NJ 08854
Degrees Offered: None
Year of Initiation: 1986

Rutgers University
Short Courses in Biotechnology
Cook College
Office of Continuing Professional Education
P.O. BOX 231
New Brunswick, NJ 08903
Degrees Offered: None
Year of Initiation: 1984

*Survey Information not provided by program to OTA
Rutgers University
Biotechnology
Cook College
Department of Biochemistry and Microbiology
Lipman Hall
New Brunswick, NJ 08903
Degrees Offered: B.S. in Biotechnology (pending approval)
Year of Initiation: 1986

New York
Cornell University
Cornell Biotechnology Program
Baker Laboratory
Ithaca, NY 14853
Degrees offered: None
Year of Initiation: 1983

*Monroe Community College
Biotechnology Program
1000 E. Henrietta Rd.
Rochester NY 14623
Degrees Offered: A.A.S.
Year of Initiation: 1983

Rochester Institute of Technology
Biotechnology
Department of Biology
One Lomb Memorial Dr.
Rochester, NY 14623
Degrees Offered: B.S. in Biotechnology
Year of Initiation: 1983

*State University of New York, Alfred
Biotechnology Program
Alfred, NY 14802
Degrees Offered: A.A.S.
Year of Initiation: 1986

*State University of New York, Buffalo
Center for Biotechnology
School of Medicine
462 Grieder St.
Buffalo, NY 14215
Degrees offered: None
Year of Initiation: 1984

State University of New York, Fredonia
Bachelor of Science Major, Recombinant Gene Technology
Department of Biology
Fredonia, NY 14063
Degrees Offered: B.S., Recombinant Gene Technology
Year of Initiation: 1983

State University of New York, Plattsburgh/Miner Institute
In Vitro Cell Biology and Biotechnology
Miner Center
Chazy, NY 12921
Degrees Offered: B.S. and M.A.
Year of Initiation: 1980

State University of New York, Stony Brook
Center for Biotechnology
130 Life Sciences Bldg.
Stony Brook, NY 11794
Degrees offered: None
Year of Initiation: 1983

North Carolina
*North Carolina State University
Biotechnology Program
Raleigh, NC 27695
Degrees offered: Ph.D. minor in Biotechnology
Year of Initiation: 1982

Technical College of Alamance
Biotechnology
P.O. Box 623
Haw River, NC 27258
Degrees Offered: A.A.S.
Year of Initiation: 1986

University of North Carolina
Program in Molecular Biology and Biotechnology
Room 402 Swing Bldg.
Chapel Hill NC 27514
Degrees offered: None
Year of Initiation: 1981

North Dakota
North Dakota State University
Biotechnology Academic Program
Box 5516
Fargo, ND 58105
Degrees Offered: B.S. in Biotechnology
Year of Initiation: 1986

● Survey information not provided by program to OTA
Ohio

Case Western Reserve University
Concentration in Biotechnology and Genetic Engineering
Department of Biology
Cleveland, OH 44106
Degrees Offered: B.A./B.S., M.S., Ph.D.
Year of Initiation: 1984

*Ohio State University
Ohio State Biotechnology Center
Rightmire Hall
1060 Carjack Rd.
Columbus, OH 43210
Degrees Offered: Not yet formulated
Year of Initiation: 1987

Pennsylvania

Cedar Crest College
Genetic Engineering Technology Program
Allentown, PA 18104
Degrees Offered: B.S. major in Genetic Engineering
Year of Initiation: 1983

Lehigh University
Applied Biological Science (M.S.)
Center for Molecular Bioscience & Biotechnology
570 A Whitaker Labs
Bethlehem, PA 18015
Degrees offered: Ph.D. & M.S. Biochemical Engineering
Year of Initiation: 1987

Pennsylvania State University
Penn State Biotechnology Institute
532 Biotechnology Headquarters Bldg.
University Park, PA 16802
Degrees Offered: None specifically in biotechnology
Year of Initiation: 1985

*University of Pittsburgh
Center for Biotechnology and Bioprocess Engineering
911 William Pitt Union
Pittsburgh, PA 15260
Degrees Offered: None
Year of Initiation: 1987

Tennessee

University of Tennessee
Biotechnology
M303 Wakers Life Sciences Bldg.
Knoxville, TN 37996
Degrees Offered: M.S. in Life Sciences - Biotechnology
Year of Initiation: 1985

Texas

Texas A &M University
Agricultural Biotechnology
Department of Biochemistry & Biophysics
College Station, TX 77843
Degrees Offered: None specifically in biotechnology
Year of Initiation: 1984

Utah

Utah State University
Center of Excellence in Biotechnology
Logan, UT 84322-4430
Degrees Offered: None specifically in biotechnology
Year of Initiation: 1987

Virginia

Old Dominion University
Biotechnology
Center for Biotechnology
Norfolk, VA 23508
Degrees offered: MS, in Biotechnology
Year of Initiation: 1987

Wisconsin

Madison Area Technical College
Biotechnology Laboratory Technician Program
3550 Anderson St.
Madison, WI 53704
Degrees Offered: A.A.S.
Year of Initiation: 1987

*Survey information not provided by program to OTA
Survey information not provided by program to OTA.