



# National Technological University



A Case Study:  
Delivering Graduate Engineering  
Education at a Distance Since 1984



# The Model

- Target students are adults working full time
- Institutional structure is a degree-granting accredited university, with many university partners
- Programs are at the graduate level and utilize existing courses and faculty from partner universities
- Content is identical to on-campus content
- All courses are available asynchronously
- Many delivery technologies are employed

# Some Interesting Numbers

- 15 NTU Master's Degree programs at a distance (plus four more from individual participating universities)
- 1,754 NTU Master's Degrees awarded to date
- More than 50 leading universities supplying academic content
- Over 1,400 graduate courses available
- 58,830 graduate course enrollments
- About 1.5 million non-credit short course enrollments

# NTU Participating Universities

- The University of Alabama
- The University of Alabama at Huntsville
- University of Alaska Fairbanks
- Arizona State University
- The University of Arizona
- University of Arkansas
- Auburn University
- Boston University
- University of California, Berkeley
- University of California, Davis
- Carnegie Mellon University (ECE)
- Clemson University
- Colorado State University
- University of Colorado at Boulder
- Columbia University
- University of Delaware
- Florida Gulf Coast University
- University of Florida
- The George Washington University
- Georgia Institute of Technology
- University of Idaho
- Illinois Institute of Technology
- University of Illinois at Urbana-Champaign
- Iowa State University
- Kansas State University
- University of Kentucky
- Kettering University
- Lehigh University

# NTU Participating Universities (continued)

- University of Maryland, College Park
- Massachusetts Institute of Technology
- University of Massachusetts at Amherst
- Michigan State University
- Michigan Technological University
- University of Minnesota
- University of Missouri-Rolla
- University of Nebraska-Lincoln
- New Jersey Institute of Technology
- New Mexico State University
- The University of New Mexico
- North Carolina State University
- Northeastern University
- University of Notre Dame
- Oklahoma State University
- Old Dominion University
- Purdue University
- Rensselaer Polytechnic Institute
- University of South Carolina
- University of Southern California
- Southern Methodist University
- The University of Tennessee
- University of Washington
- University of Wisconsin-Madison
- Vanderbilt University

# Master's Degree Programs

- Business Administration
- Chemical Engineering
- Computer Engineering\*
- Computer Science\*
- Electrical Engineering\*
- Engineering Management\*
- Environmental Systems Management
- Information Systems
- Management of Technology
- Manufacturing Sys Engineering
- Materials Science & Engineering
- Mechanical Engineering\*
- Microelectronics & Semiconductor Engineering
- Optical Sciences
- Project Management
- Software Engineering\*
- Systems Engineering\*
- Telecommunications
- Special Majors Program

\*also available online/CD-ROM



# Three Stages

- Stage 1: 1984 to 1998  
Leading the way
- Stage 2: 1998 to 2002  
The dot.com adventure
- Stage 3: 2002  
Entering a new era of growth



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# Stage 1: 1984-1998

## Leading the Way

- Non-profit private university
  - No endowment and no tax support
  - Accredited in 1986
  - Serving adults working full-time for corporations and government agencies such as IBM, Motorola, Hewlett-Packard, Dept. of Defense, Dept. of Energy, etc.)
  - Delivering content by satellite and videotape
  - Expanded to the international market in 1996 with a satellite link to Asia (the U.S. model)
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## Stage 2: 1998 to 2002

# The dot.com Adventure

- Added an affiliate for-profit corporation to secure venture capital funds to expand sales, marketing, and course delivery technologies (a new structural model)
  - Strong emphasis on non-credit e-learning
  - Purchased PBS The Business Channel
  - Produced the first international graduate
  - Added the Web and CD-ROMs to the satellite and videotape delivery systems
  - Initiated the development phase for a major effort in China (a new international model)
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## Stage 3: 2002

# Entering a New Era of Growth

- NTU being acquired by Sylvan (new model)
  - Part of the Online Higher Education Division
    - National Technological University
    - Walden University
    - Canter
    - Sylvan Teachers Institute
    - OnlineLearning.net
  - Sylvan International Universities
    - Mexico City
    - Santiago, Chile
    - Bluche, Switzerland
    - Madrid, Spain
    - Paris, France
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## For More Information:



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