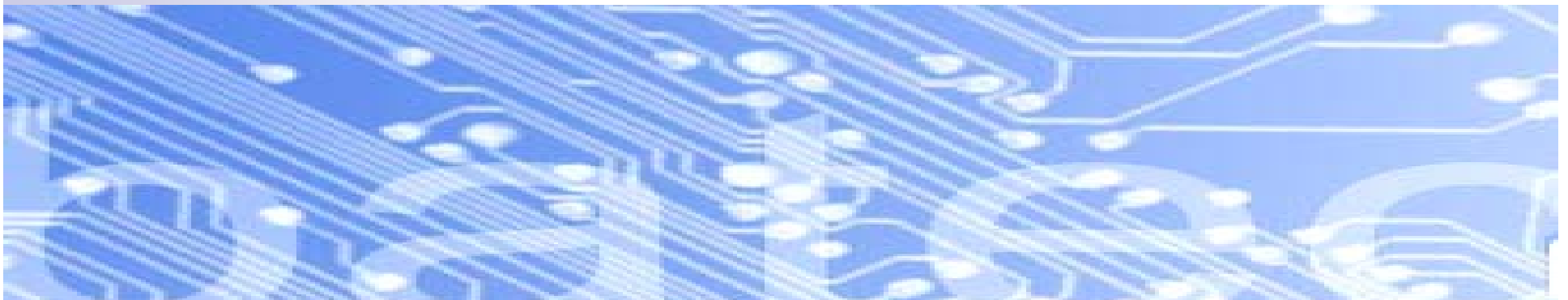


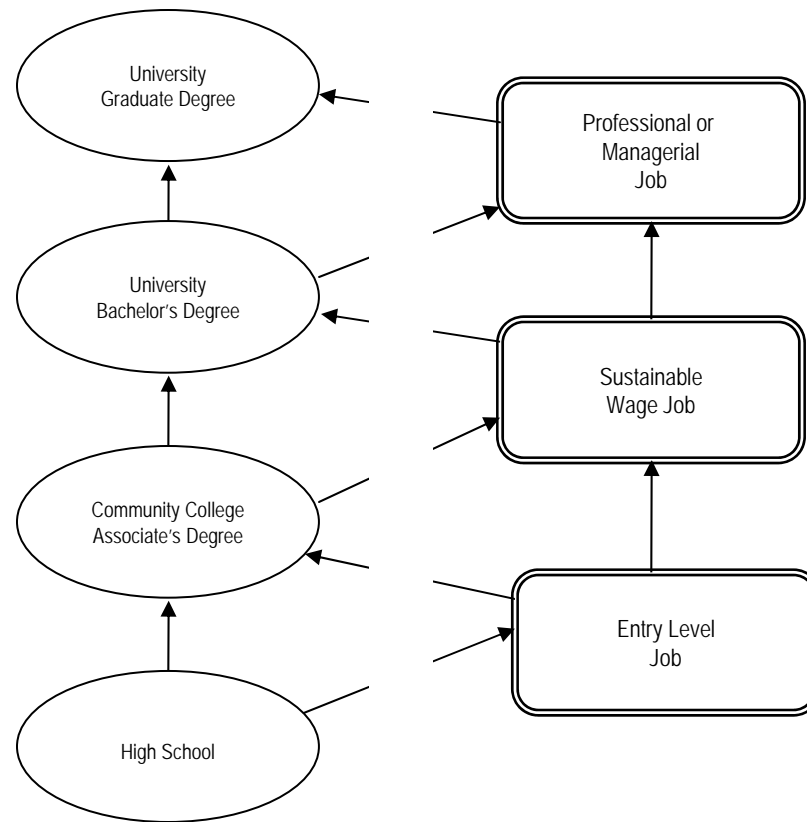


Boston Area Advanced Technological Education Connections (BATEC)

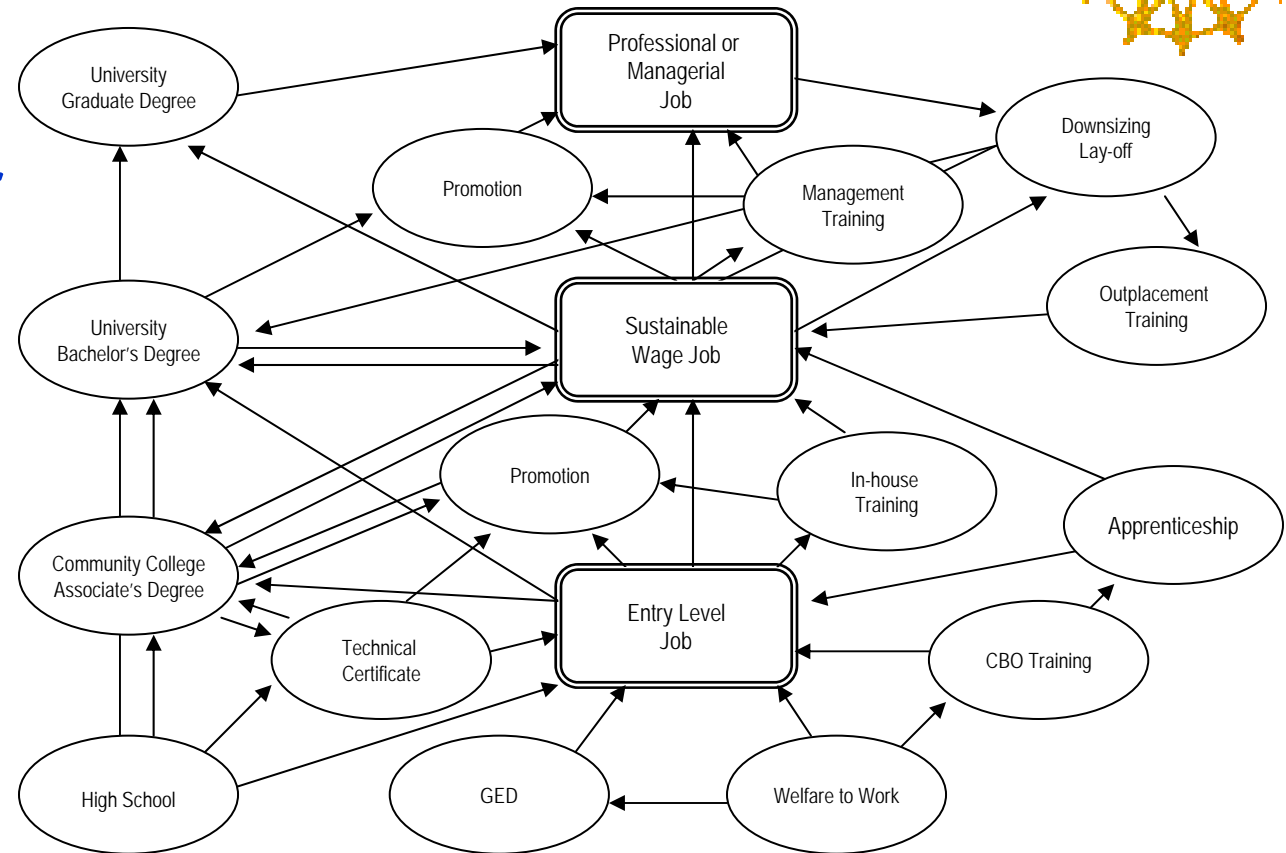




Our current education model:



What our Students are experiencing:





BATEC Mission

BATEC is developing and supporting a coordinated, self-sustaining, regional it education and workforce system – one that will attract a diverse student population to it careers, promote lifelong learning of technical skills and support the it workforce needs of our region.

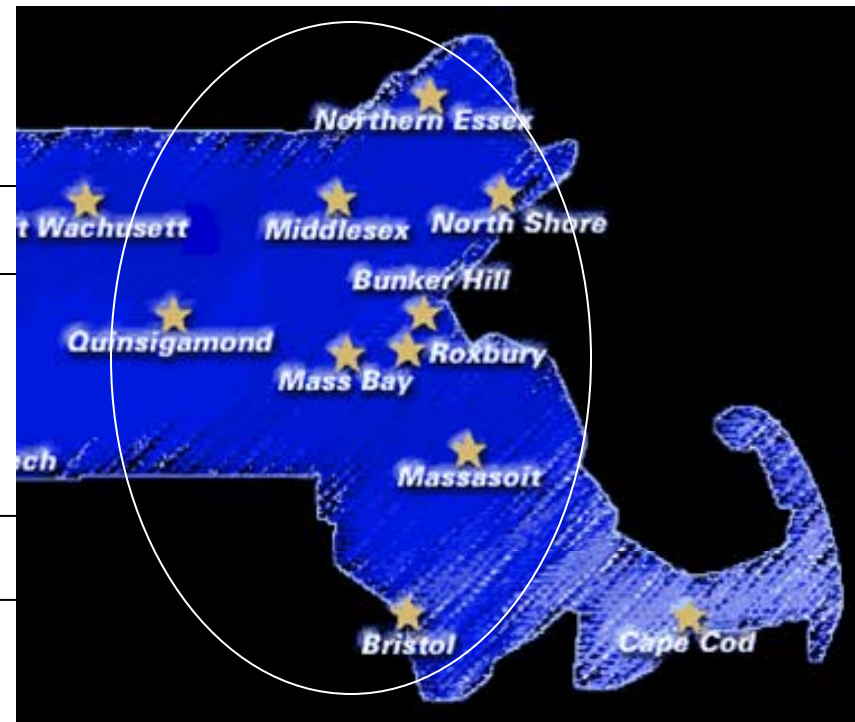


BATEC Service Area

Community Colleges

- Roxbury CC
- Bunker Hill CC
- Middlesex CC

- Quinsigamond CC
- Bristol CC
- Northern Essex CC



BATEC Partners:



EDUCATION

- K-12 - TechBoston (Boston Public Schools); Boston Rim: Cambridge, Chelsea, Everett, Medford, Newton, Northeast Metropolitan, Revere, Somerville, Watertown, And Winthrop; Merrimack Valley: Bedford, Billerica, Chelmsford, Lowell, Greater Lawrence, Greater Lowell, Nashoba Valley, Shawsheen Valley and Whittier; Bristol: Attleboro, Bristol County, Bristol-Plymouth, Dighton-Rehoboth, Diman, Durfee, Greater New Bedford, New Bedford, Old Colony, Somerset, and Taunton; and Worcester
- Higher Education (2-Year): Bunker Hill, Middlesex, and Roxbury Community Colleges as full partners and Quinsigamond, Northern Essex and Bristol Community Colleges as Adaptation Partners;
- Higher Education (4-Year): University of Massachusetts Boston

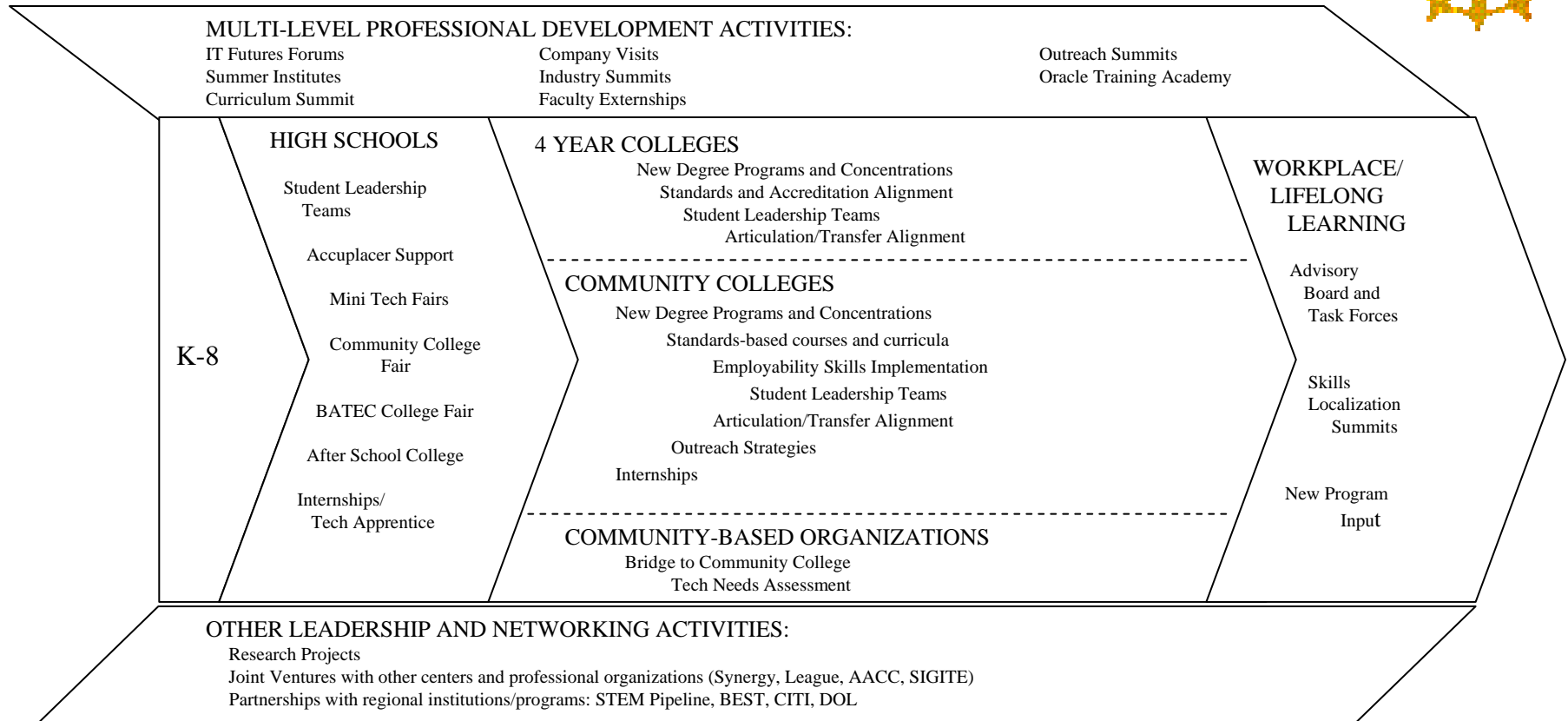
BUSINESS AND INDUSTRY

- Staples, Raytheon, Bank of America, Partners Healthcare, Boston Scientific, PTC, Cisco, Fidelity, Molecular, Interactive Factory, Blue Cross Blue Shield, Microsoft, HP, Oracle, Massachusetts Technology Leadership Council, Massachusetts Network Communications Council, Mass High Tech Council, Massachusetts Technology Exchange, Putnam Investments, AT&T

GOVERNMENT AND COMMUNITY

- Boston Mayor's Office, Boston Private Industry Council, Metro North Regional Employment Board, UMASS President's Office, Department of Education, Board of Higher Education, Executive Office of Community Colleges, Boston Workforce Development Coalition, Urban League of Eastern Massachusetts, The Boston Foundation, National Science Foundation

BATEC LANDSCAPE





BATEC Vision

■ **Curriculum Development**

- Regionally Connected
- Advanced in Content and Pedagogy
- Industry-Linked

■ **Professional Development**

- High Quality
- Combination of Technology and Pedagogy
- Multiple Formats



BATEC Vision (cont.)

■ **Student Success**

- Informed decisions
- Holistic – Technical, Employability Skills, Leadership
- Connected to Industry

■ **Education, Industry and Community Connections**

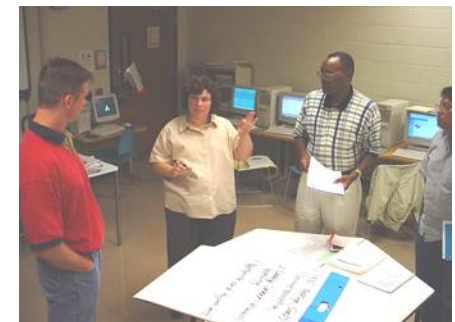
- Mutually-Beneficial Partnerships
- Career Development
- Lifelong Learning
- Regional Economic Growth



The Process:

Curriculum Development and Alignment across all levels:

- **Curriculum Summits**
 - ✓ Programming
 - ✓ Microcomputer Apps
 - ✓ Database
- **Aligned Development**
 - ✓ Prerequisites
 - ✓ Sequences
 - ✓ Articulations





The Process:

Extensive Professional Development for faculty:

- **IT Futures Forum**
- **Summer Institutes**
 - ✓ Skills Standards Training
 - ✓ Technical Skills Training
 - ✓ Special Topics Workshops
- **Seminars and Company Visits**
- **Faculty Externships**





The Process:

■ Student Recruitment, Retention and Employment

- High Tech College Fair
- College Readiness Workshops
- Mini Tech Fairs
- Community College Fairs
- After-School College
- BATEC Ambassadors
- Tech Apprentices
- Special Projects
- Bridge to Community College
- Microsoft Future Potential in IT



The Process:

Broad Industry Participation

- ❖ Summits
- ❖ Advisory Boards
- ❖ Industry Trends and Needs

Shared Communication Network for Collaboration

Information Clearinghouse for Sharing Best Practices



Challenges We are Addressing



- Employment Market-driven enrollments
Perception that “IT is dead” = Falling enrollments
- IT Hybridization; IT Across Content Areas/Careers
- Traditionally autonomous education systems
- “Siloed” departments delivering student services
- Marketing of Schools/Programs
- Coordination, Collaboration, Communication...



BATEC CONVERSATIONS

MA High School Reform Task Force
Massachusetts Dept of Ed
Massachusetts Board of Higher Ed
Governor's Education Task Force
Synergy Conference Series
Commonwealth IT Initiative
Broadening Participation in Computing
SIGITE 2-year Model Curriculum
Community Technology Centers
MA K-12 Technology Standards