

UMass Amherst: In and For the Commonwealth

Presentation for the Board of Trustees
November 7, 2001

Chancellor Marcellette G. Williams



Critical Areas of Concern and Focus



Education



Economic Development



Health



Environment



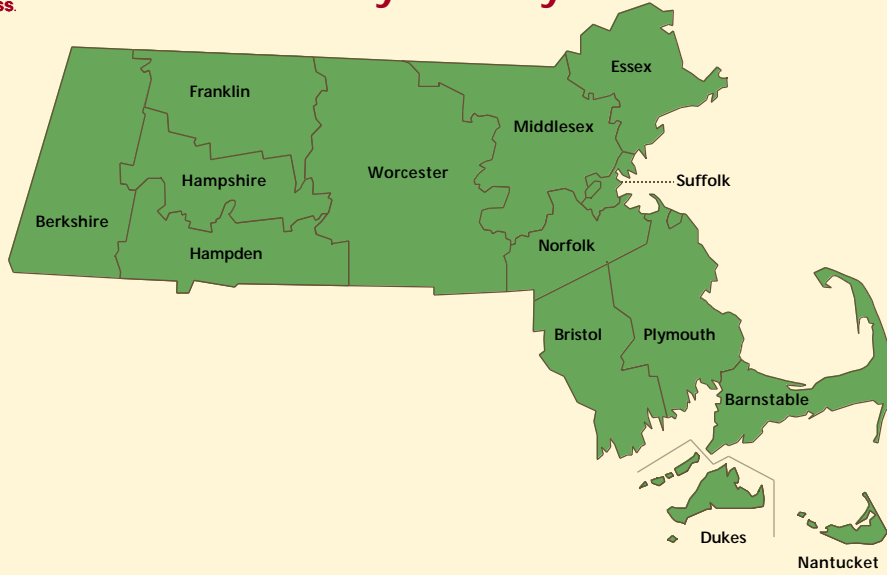
Arts & Culture

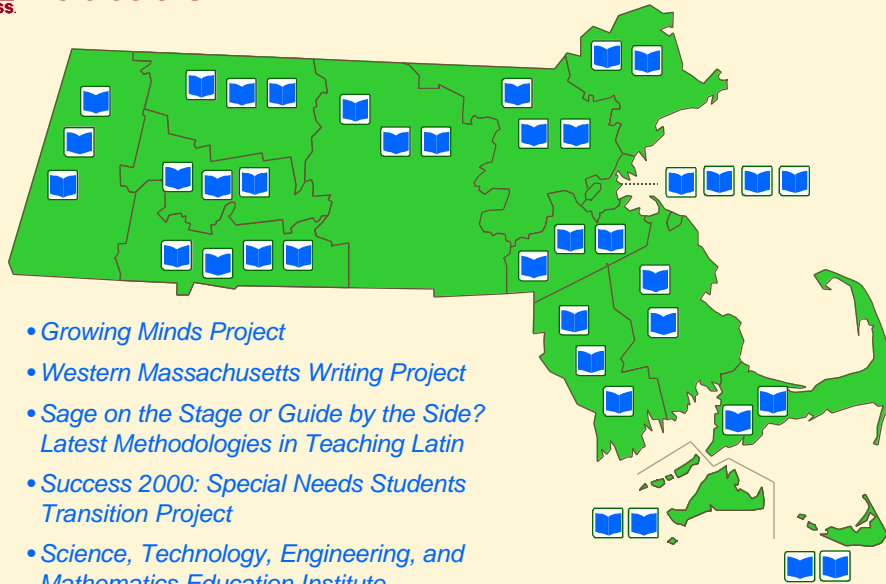


Public Policy



Massachusetts by County





- *Growing Minds Project*
- *Western Massachusetts Writing Project*
- *Sage on the Stage or Guide by the Side? Latest Methodologies in Teaching Latin*
- *Success 2000: Special Needs Students Transition Project*
- *Science, Technology, Engineering, and Mathematics Education Institute*

Growing Minds Project

Department of Food and Agriculture funded program to put a garden in every school and link K-12 teachers with horticultural experts to help them teach life sciences.

Counties served: *Suffolk, Statewide*

Western Massachusetts Writing Project

Provides services to schools, school districts, and individual teachers. Its principal function is the in-service training of teachers.

Counties served: *Berkshire, Franklin, Hampden, Hampshire*

Sage on the Stage or Guide by the Side? Latest Methodologies in Teaching Latin

A program for in-service Latin teachers, in collaboration with UMass Boston.

Counties served: *Bristol, Middlesex, Norfolk, Suffolk, Worcester*

Success 2000: Special Needs Students Transition Project

Focuses on the improvement of opportunities for high school students with learning disabilities to attend and graduate from post-secondary institutions.

Counties served: *Hampden, Suffolk*

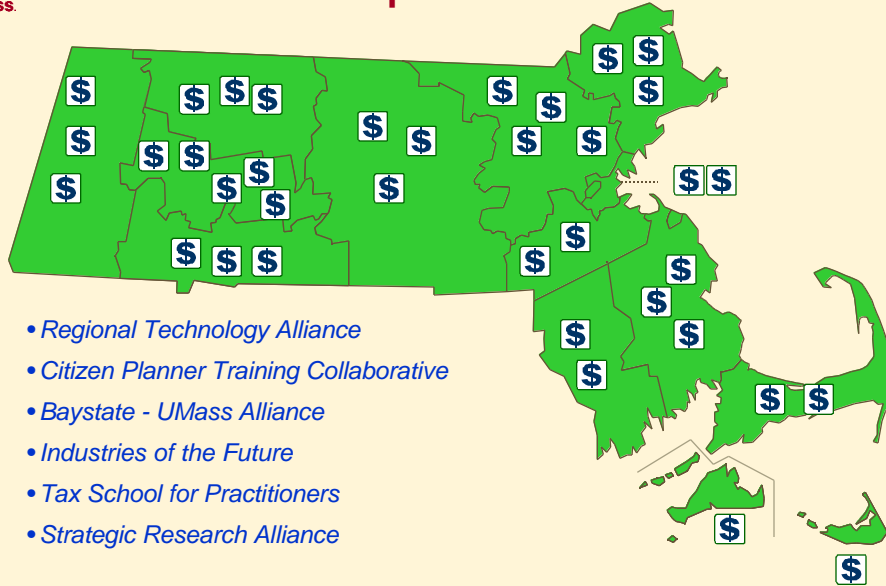
Science, Technology, Engineering, and Mathematics Education Institute

Offers in-service teachers seminars on science and mathematics education.

Counties served: *Statewide*



Economic Development



- *Regional Technology Alliance*
- *Citizen Planner Training Collaborative*
- *Baystate - UMass Alliance*
- *Industries of the Future*
- *Tax School for Practitioners*
- *Strategic Research Alliance*

11/16/01

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5

Regional Technology Alliance

Two-year \$596,000 NSF grant to develop industry networks and technology commercialization opportunities in collaboration with regional partners.

Counties served: *Franklin, Hampshire, Hampden, Berkshire*

Citizen Planner Training Collaborative

Provides local planning and zoning officials with the tools to make effective decisions regarding their community's current and future land use.

Counties served: *Berkshire, Hampshire, Worcester, Middlesex, Plymouth*

Baystate - UMass Alliance

Comprehensive agreement for expanded collaborations in biomedical research and technology with Baystate Health Systems, second largest medical center in New England.

Counties served: *Hampden, Hampshire*

Industries of the Future

National Environmental Technology Institute (NETI) and the Center for Energy Efficient and Renewable Energy (CEERE) have led the program to help state firms have cleaner operations and conserve energy.

Counties served: *Statewide*

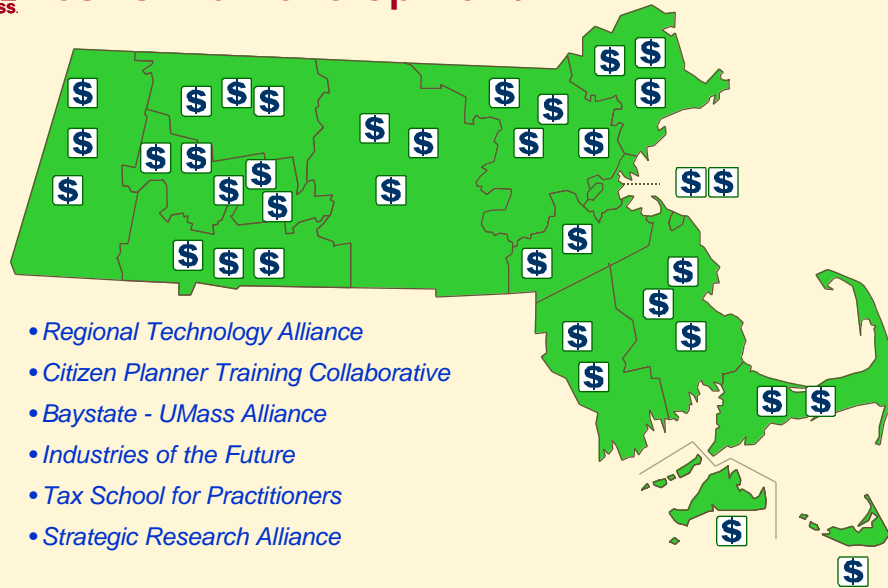
Tax School for Practitioners

Workshops designed to train practitioners in the latest Federal and State Tax Laws and Requirements.

Counties served: *Hampshire, Essex, Middlesex, Worcester, Barnstable, Norfolk*



Economic Development



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11/16/01

UMass Amherst: In and For the Commonwealth

6

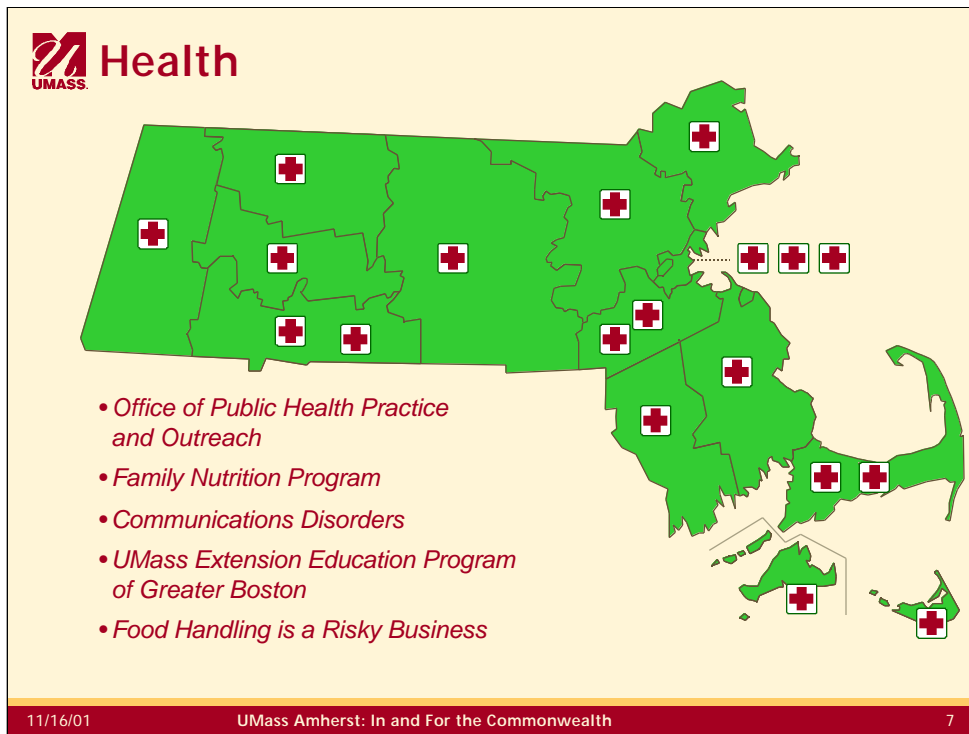
Strategic Research Alliance

Several U.S. university Food Science Departments have industrial partners, but none as successful as the 5 year old Strategic Research Alliance (SRA) at UMass Amherst Department of Food Science. Currently, there are 27 major food companies, six of which are in Massachusetts, as paying members of the alliance. Not just a group of philanthropic companies, but a vital organization that provides an interface between the University and industry and optimizes technology transfer.

Efforts have occurred at Ocean Spray in Middleboro, at Opta Food Ingredients in Bedford, at Nourse Farms in Sunderland, at Instron Company in Canton, at Ocean Cliffs in New Bedford, at Very Fine in Littleton, at Lite Life Foods in Greenfield. Several new companies were formed as a result of techniques developed to hydrolyze waste protein on fish after fileting to liquid fertilizer: Neptune's Harvest in Gloucester, Northeast Organics, Inc. in Manchester-by-the-Sea, and Inshore Ventures, Inc. in Boston and Gloucester.

One more point to make about this department, which contributes so much to the economic and workforce development of the state: the World Food and Agricultural Organization (part of the United Nations and based in Rome) has named UMass Amherst Food Science as an FAO Center of Excellence, which means that they wish to interact with us in their efforts to promote and produce safe and nutritious food of the highest quality in the developing nations and worldwide.

Counties served: *Bristol, Essex, Suffolk, Middlesex, Plymouth, Hampshire, Norfolk*



Office of Public Health Practice and Outreach

Provides education, research and service relevant to community concerns and needs; includes such initiatives as Holyoke Immunization Project, Springfield Youth STD Project, Holyoke School-based Teen Pregnancy and Infant Mortality Prevention Program, Asthma Study, and Interface Project (epidemiological data analysis for the DPH Bureau of Health Statistics, Research, and Evaluation). The Office has formal agreements with Baystate Health Systems, Massachusetts Department of Public Health, Springfield Southwest Community Health Center, Massachusetts Department of Food and Agriculture, Massachusetts Department of Transitional Assistance, UMass Dartmouth, Barnstable County, and Tufts University.

Counties served: *Suffolk, Norfolk, Barnstable, Hampshire, Hampden*

Family Nutrition Program

A collaborative program between the University and the Department of Transitional Assistance, working with School Youth Projects in Boston, New Bedford, Brockton, Lawrence, Lynn, and Holyoke Public Schools, for example. Also includes Community-based Adult Projects throughout the state including Boston Medical Center, Center for Immigrant and Refugee Community Leadership and Empowerment, for example.

Counties served: *Suffolk, Barnstable, Plymouth, Norfolk, Middlesex.*

Communications Disorders

Provides speech and hearing screening activities to public school children.

Counties served: *Franklin, Hampden, Worcester*

UMass Extension Education Program of Greater Boston

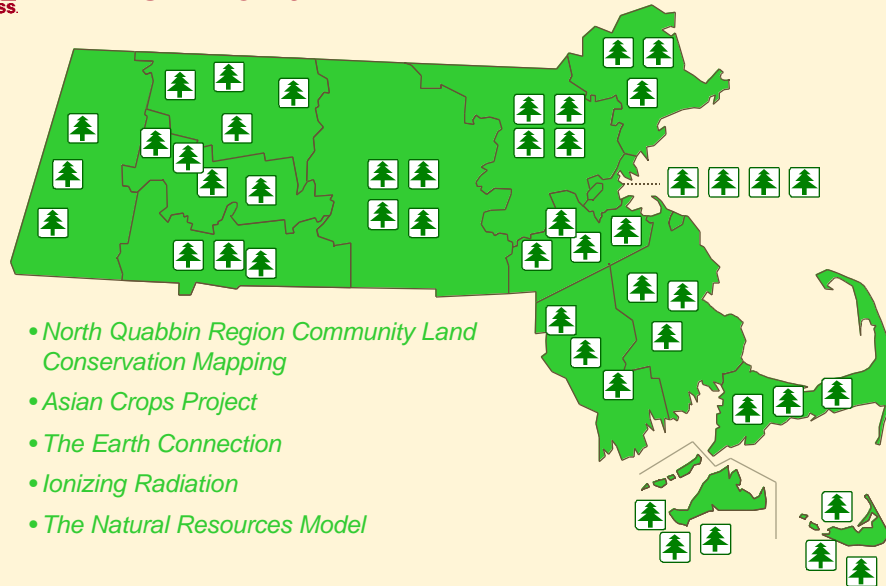
The NEP is an outreach program targeting limited income youth and families.

Counties served: *Suffolk*

Food Handling is a Risky Business

This 1-2 hour workshop introduces basic food safety principles.

Counties served: *Statewide*



- North Quabbin Region Community Land Conservation Mapping
- Asian Crops Project
- The Earth Connection
- Ionizing Radiation
- The Natural Resources Model

North Quabbin Region Community Land Conservation Mapping

Assists the New England Forest Foundation with its land conservation efforts in the North Quabbin region of central Massachusetts by developing maps and a GIS database to show the location of all existing conservation lands.

Counties served: *Franklin, Hampshire, Worcester*

Asian Crops Project

This project works with vegetable farmers in the state to grow and market Asian crops for farmers' markets where there are large Asian populations.

Counties served: *Suffolk, Middlesex, Norfolk*

The Earth Connection

Annual statewide conference on community service and the environment; aims to promote youth engagement in community service, research, and citizen action; professional development for educators; networking opportunities; campus exploration.

Counties served: *Statewide*

Ionizing Radiation

Provides a resource for K-12 teachers for the addition of radiation topics to the curriculum; in collaboration with the New England Chapter of the Health Physics Society.

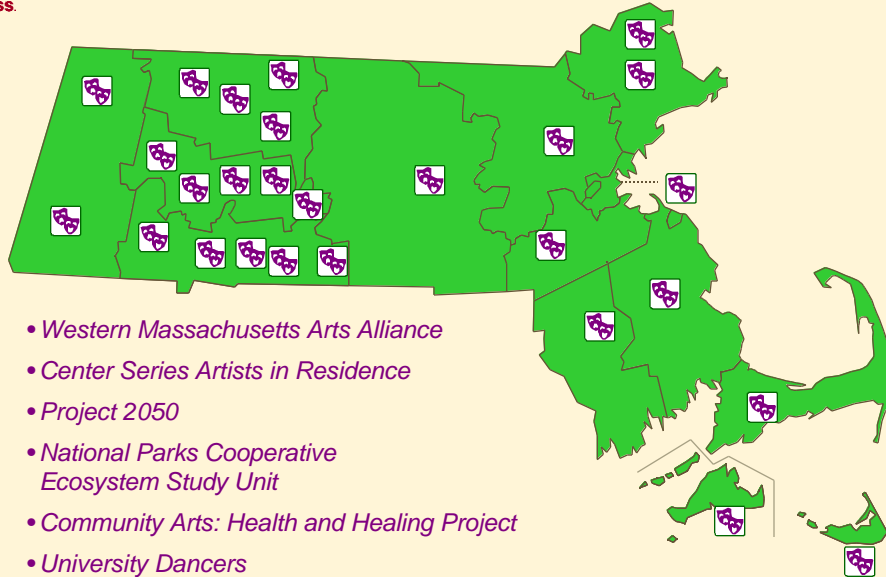
Counties served: *Statewide*

The Natural Resources Model

The Department of Natural Resources Conservation promotes the stewardship of healthy and sustainable ecosystems that provide diverse human and community benefits. The department uniquely qualifies to provide an integrated environmental education, research results to professionals, and vital service to society in response to environmental problems and issues. The department works statewide in collaborative relationships with State and Federal agencies and works closely with an advisory board which provides advice, advocates for the department as new initiatives are developed within the System and regionally, and assists in fund-raising to provide the margin of excellence.



Arts and Culture



11/16/01

UMass Amherst: In and For the Commonwealth

9

Western Massachusetts Arts Alliance

Developed by the Fine Arts Center to provide a network of collaboration between cultural organizations, artists, and educators in Western Massachusetts.

Counties served: *Berkshire, Hampshire, Hampden, Franklin*

Center Series, Artists in Residence

Visiting artists provide performances at local schools.

Counties served: *Hampshire, Hampden, Franklin*

Project 2050

Looking into the future, enables low income and at risk youth from minority backgrounds to explore the use of theater as a means of self-discovery and empowerment.

Counties served: *Hampshire, Hampden*

National Parks Cooperative Ecosystem Study Unit

A collaboration between the College of Humanities and Fine Arts and National Parks to promote the parks as educational and cultural resources.

Counties served: *Essex, Hampden*

Community Arts Health and Healing Project

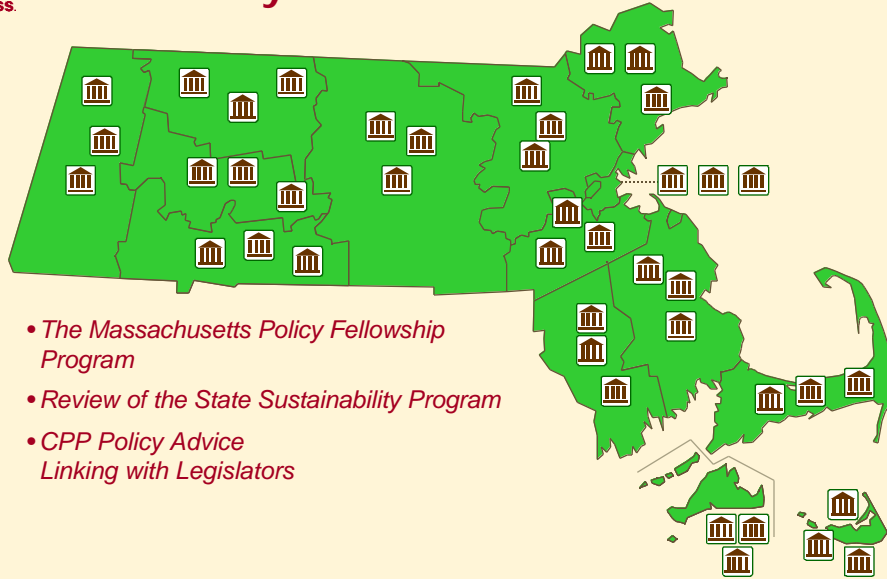
An innovative project in which the School of Nursing and the Fine Arts Center collaborate to present performing and visual arts programs in hospitals and care facilities.

Counties served: *Hampshire, Franklin*

University Dancers

University Dancers tour through schools for two weeks in January, giving performances, lecture-demonstrations, master classes, workshops, teacher training, and informal discussions with school students and teachers.

Counties served: *Statewide*



- *The Massachusetts Policy Fellowship Program*
- *Review of the State Sustainability Program*
- *CPP Policy Advice Linking with Legislators*

The Massachusetts Policy Fellowship Program

The program offers legislators the research expertise of selected graduate students.

Counties served: *Statewide*

Review of the State Sustainability Program

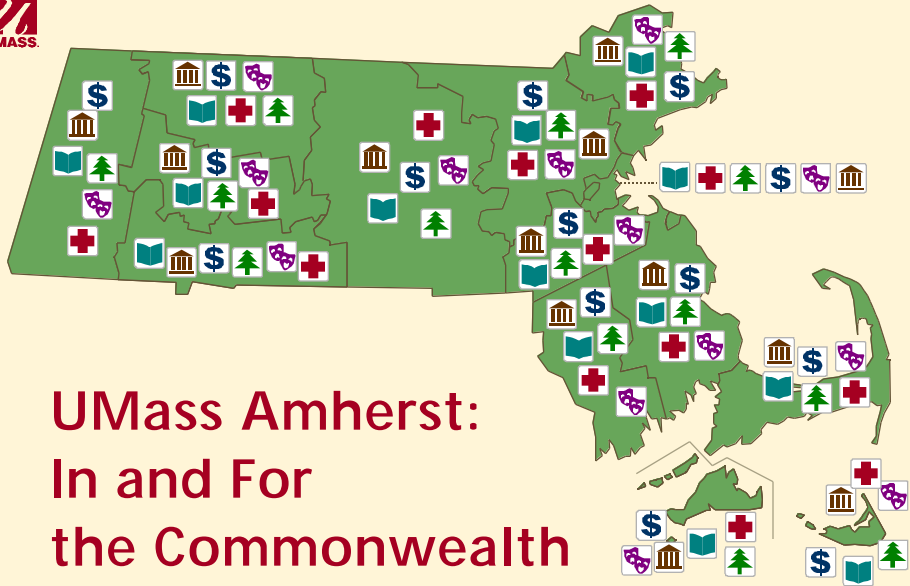
Investigated recycling programs in order to identify key components of successful programs and provide recommendations for EOEA's State Sustainability Program.

Counties served: *Statewide*

CPP Policy Advice, Linking with Legislators

Conducts many activities to apply the research and expertise of the public colleges and universities to the analysis, development, and implementation of public policy.

Counties served: *Statewide*



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