



THE ERICKSON SCHOOL OF AGING STUDIES

AGING, TECHNOLOGY, AND BUSINESS

WHY AGING MATTERS FOR INFORMATION SYSTEMS AND BTA

Adults age 50 and older account for \$12.5 trillion in U.S. economic activity (43% of U.S. GDP). As people live longer, the demand for technology, services, and systems that support people throughout the lifespan is increasing. **This creates a growing need for professionals who understand both technology and aging. Information Systems and Business Technology Administration students already develop many of the skills needed to respond to this demand.** Information systems, data management, cybersecurity, digital accessibility, and technology management all play a role in how healthcare organizations, senior living providers, government agencies, technology companies, and other organizations serve people across the lifespan. Understanding aging adds important context to these technical and business skills. It helps students consider who uses technology, how needs may change across the lifespan, and how organizational, policy, and ethical considerations influence the way technology is designed and implemented. Coursework in aging can help IS and BTA students apply their existing skills in growing areas such as health technology, AgeTech, senior living, public services, accessibility, and other industries serving an aging population.

Source: AARP, Longevity Economy® Outlook 2026

TWO WAYS TO STUDY AGING

MANAGEMENT OF AGING SERVICES MINOR 18 CREDITS

Adds foundational expertise in administration, policy, and operations within the aging services sector. Designed to complement majors in business, information systems, engineering, social work, and other fields.

**Structure: 9-credit core +
9 credits of electives**

AGING STUDIES MINOR 18 CREDITS

Offers students across UMBC disciplines an interdisciplinary perspective on human aging and the opportunity to explore how aging intersects with healthcare, technology, policy, business, culture, and research.

**Structure: 3-credit core +
15 credits across 3 of 5 domains**

ONLINE COURSE OPTIONS

Many AGNG courses are available online. Course availability varies by term.



HOW THE COURSEWORK CONNECTS

Courses relevant for Information Systems and Business Technology Administration students

MANAGEMENT OF AGING SERVICES (MAgS) MINOR

CORE COURSES

9 CREDITS

- AGNG 200: Aging People, Policy, and Management (Writing Intensive)
- AGNG 300: Introduction to Policy and Aging Services
- AGNG 310: Introduction to the Management of Aging Services

ELECTIVES

9 CREDITS

At least 3 credits in AGNG, plus 6 additional credits from AGNG or other approved courses.

AGING + TECHNOLOGY COURSE OPTIONS

AGNG 110: Growing Older in a Technological World

An AGNG elective option with a direct technology focus.

IS 361 / AGNG 361: Technology for Management of Aging Services

A cross-listed course connecting information systems and technology with the management of aging services.

IS 304: Ethical Issues in Information Systems

An approved elective option for the MAgS minor.

AGING STUDIES MINOR

AGNG 200 is the required core course. Students then complete 15 credits across at least three of five domains:

MANAGEMENT & POLICY

HEALTH & AGING

AGING & TECHNOLOGY

CONTEMPORARY ISSUES

RESEARCH &
EXPERIENTIAL

AGING & TECHNOLOGY DOMAIN

AGNG 110: Growing Older in a Technological World

AGNG 361 / IS 361:
Technology for
Management of Aging
Services

QUESTIONS?

Contact the Erickson School of Aging Studies at erickson@umbc.edu for questions about studying aging alongside your major.

ACADEMIC PLANNING NOTE

The IS courses highlighted above can fulfill minor requirements as noted, but how these courses apply to your Information Systems or BTA major requirements varies. Students should consult with their major advisor and the Erickson School of Aging Studies advising when planning coursework across both programs.