

Humanics

Integration for Impact

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Faculty Senate

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**Northeastern
University**

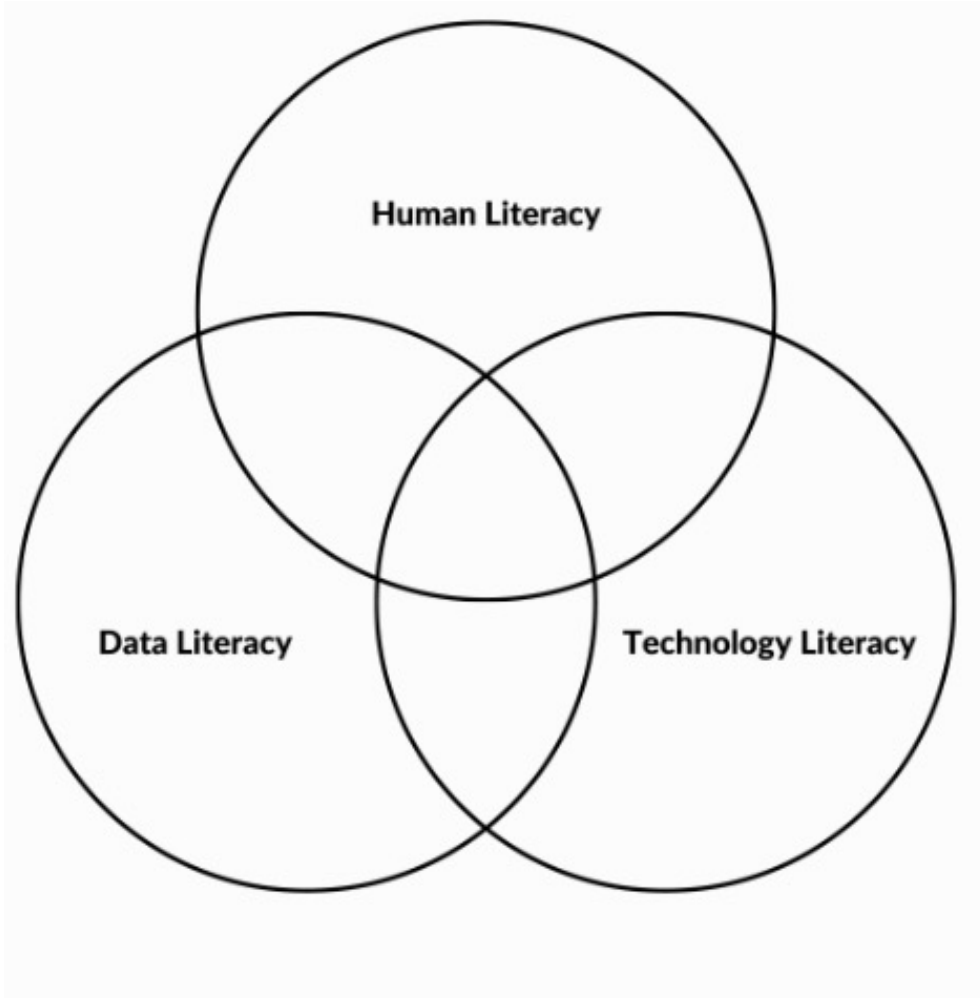
Humanics at Northeastern

Humanics is an integrative educational model that builds on Northeastern's leadership in multi-disciplinary collaboration, experiential learning, entrepreneurship, and partnership beyond the university.

People with different backgrounds and skillsets work together, responsibly generating and using technologies and data, to address key questions of our complex world and find solutions.



Humanics: Integration for Impact



Humanics: Students and Combined Majors

Our students are leading the way in seeking Humanics experiences, especially through combined majors (>30% in Fall 2023).

Environmental Engineering and Health Sciences

Design and Behavioral Neuroscience

Computer Science and Business

Data Science and Philosophy

Electrical Engineering and Music



Humanics: Faculty Innovators

Our colleagues are leading the way by providing students with Humanics experiences in the curriculum, for example:

Data Science DS 2000/2001

Ethics in Computer Science Courses

Culture, Technology, and the Future of
Healthcare INSH2300



Humanics: Crossdisciplinary Team 1

Data Science DS 2000/2001

Nabeel Gillani, Design and Marketing



Laney Strange, Khoury



Shuo Zhang, Economics and
Khoury



Humanics : Crossdisciplinary Team 2

Ethics Modules in Computer Science Courses

Katie Creel, Philosophy and Khoury



Vance Ricks, Philosophy and Khoury



Christo Wilson, Khoury



Humanics: Crossdisciplinary Team 3

Culture, Technology and the Future of Healthcare INSH 2300

Sari Altschuler, English



John Basl, Philosophy



Matthew Goodwin, Khoury and
Health Sciences



Humanics at Northeastern

Humanics is about intertwining approaches from AHSS (Arts, Humanities, Social Science, Policy) and STEM (Science, Technology, Engineering, Math) and an entrepreneurial spirit.

Humanics comes in many flavors. It sets students, faculty, staff, and partners up for lifelong learning and impact in a rapidly changing world.



Humanics: Integration for Impact

Faculty Course Development Initiative released this week:

We have the opportunity to model Humanics in novel ways, with an emphasis on serving combined majors with new or redesigned integrative courses that involve external partners. The courses will be open to single majors and minors as well.



Humanics: Course Development Program

for new or revised courses that address key challenges of our world and

- *serve as integrative courses for combined majors, also draw in single majors

- *are cross-disciplinary, with an emphasis on cross-college collaborations

- *articulate with external partners the integration of skills related to data, technology, and capacities such as creativity, critical thinking, systems analysis, analysis of context

- *are geared to students in their first or second year at NU



Humanics: New (Hypothetical) Course

Plastics: Bodily and Environmental Impact, International Law, and Business Innovation

Partners: Nature Conservancy, NU-grad or student-led sustainable businesses focused on replacing plastics

Majors Served: Business, Business Combined Majors, Bioengineering, Environmental Engineering, International Affairs, International Affairs Combined Majors

Minors Served: Environmental and Sustainability Sciences, Business, and many others

NU Path: Engaging with the Natural and Designed World; Understanding Societies and Institutions



Humanics: Some Next Steps

October: Info Sessions on Course Development Program

November 16 : Mills Institute Innovation Lab

"Reaching New Heights in Gender and Racial Equality through Humanics-Driven Solutions"

Contact: Jennifer Arthur

December (Finals Week): Global Network Faculty Session on External Partners in the Curriculum

Discussion



Humanics: NU Resources

Workshop April 2023: Brought to the NU community by all college deans and Education Innovation (recording, see especially Minute 21 and on for faculty voices)

[Data, Technology, Society: Humanics for Lifelong Learning](#)

Joseph E. Aoun, *Robot-Proof: Higher Education in the Age of Artificial Intelligence*

<https://robot-proof.com>

[Beyond 2025: The New Academic Plan](#)



Humanics at Northeastern

Humanics is an integrative educational model designed to robot- and AI-proof students and to prepare them for collaborations with diverse people and technologies as well as leadership in a complex world.

