



Online Ethics Center
FOR ENGINEERING AND SCIENCE

Building an 'Ethics Spine' into Biomedical Engineering Curriculum at Arizona State University

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Description

This project summarizes an on-going initiative to systematically integrate ethics into the biomedical engineering undergraduate program at Arizona State University. The project aims to develop student capacity and confidence to grapple with a range of ethics-related issues.

Body

The OEC Project Pages are intended to cultivate a community of practice and allow ethics researchers, educators, and practitioners to more effectively disseminate their work. This Project Page provides a detailed overview and relevant resources for an on-going science or engineering ethics project. Once you've explored this project, visit the "Projects" section under "Resources" to see more ethics projects.

Description

The undergraduate biomedical engineering program at Arizona State University offers a 4-year B.S.E. degree. Approximately 850 students are currently enrolled in this program, which is taught by about 30 faculty. The core objective of this initiative is to ensure more systematic integration of ethics into the curriculum, and to develop student capacity and confidence to grapple with a range of ethics-related issues.

Leadership

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Start and End Date

January 2017-ongoing

Contact Information

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Publications, Presentations, and Other Products

Frow, E., Abbas, J., Coursen, J. & Helms Tillery, S. "Growing a backbone: Building an 'Ethics Spine' into a 4-year biomedical engineering curriculum," *American Society for Engineering Education – Pacific Southwest Section, ASU*, 20-22 April 2017 [Poster + Poster Abstract].

Attached Resources

1. [Growing a Backbone: Building an 'Ethics Spine' into a 4-year Biomedical Engineering Curriculum \(Abstract\)](#)
2. [Growing a Backbone: Building an 'Ethics Spine' into a 4-year Biomedical Engineering Curriculum \(Poster\)](#)

Rights

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Resource Type

Projects

Parent Collection

STEM Ethics Projects (2017-Present)

Discipline(s)

Biomedical Engineering and Bioengineering
Engineering
Teaching Ethics in STEM