



Overview and History

Fisk University is a premier private liberal arts institution in Nashville, Tennessee. Founded in 1866, Fisk University's research expenditures perennially ranked among the top of all liberal arts institutions in America. Fisk is also ranked 6th among H.B.C.U.s, 3rd (in major-related job placements), 35th in Best Undergraduate Teaching, 50th in Most Innovative Schools, 164th nationally among "Best Colleges" in the 2020 U.S. and News World Report. The University offers internationally renowned flagship programs in music, fine arts, and natural sciences as showcased by the acclaimed Fisk Jubilee Singers, the unrivaled Art Galleries, and a cadre of faculty scholars who engage in cutting-edge, world-class research. The curriculum's careful arrangement and rigor equip students with a strong character-ethic and prepare them to be critical thinkers and engaged civic leaders. Also, social justice is a hallmark of Fisk. It is interwoven into the institution's very fabric and reflected through the lives of distinguished service of thousands of alumni!

In 2018, Fisk University launched Data Science program by offering B.A. and B.S. degrees in Data Science as well as Minor in Data Science.

Education

Requirements	B.S. (credit hours)	B.A. (credit hours)
Computing	20	20
Mathematics & Statistics	20	12
Capstone & Research	6	6
Partner Discipline	10-12	18-20
CORE	31-34	31-34
Foreign Language	12	12
Total	120	120

The enrollment in Data Science and Computer Science has steadily increased.

Enrollment 2019-2021					
	Fall 2019	Spring 2020	Fall 2020	Spring 2021	Fall 2021
Data Science	9	10	16	12	16
Computer Science	31	30	81	79	91
Total	40	40	97	91	107

Research

- **NIH Grant T32**, GM142518, \$1.3M (07/01/2021-06/30/25) in collaboration with the University of Illinois Urbana Champaign, launch newly founded bridge program, FUTURE-MINDS-QB, which stands for Fisk-UIUC Training of Under-Represented Minds in Data Science and Quantitative Biology.
- **Implementation Project:** Achieving Greater Confidence and Competence in Quantitative and Computational Skills in STEM Disciplines at Fisk University (HRD 1817282; \$2,214,490; 7/01/2018-06/30/2023), prepares faculty for quantitative and computing skills. Broader Impacts: The curriculum innovations provided the opportunities for new majors in Bioinformatics and Data Science.
- **Targeted Infusion Project:** Infusing Machine Learning in Cognitive Psychology and Cognitive Bias Analysis: Enhancement of the Computer Science and Psychology Curricula (HRD 1912588; \$281,056; 7/01/2019-06/30/2022), curriculum innovation and student research for cognitive bias, design new courses and engage students in interdisciplinary research.
- **TIP: Transforming Computer Science Education** (HRD 1332432; \$394,952; 8/01/2013-07/30/2017), curriculum innovation and peer mentors for student engagement.

Sustainability Plan

- Work closely with Admissions and enrollment office.
- Offer joint majors and minor with other majors.
- Submit collaborative research grants and proposals.
- Obtain contracts and foundations support.
- Promote community outreach and engagement plans.

Translating into Societal Impact

- Collaborate with colleagues of Fisk University's John Lewis Social Justice.
- Collaborate with regional and national consortia.
- Work with city and state governments.
- Offer professional development workshops for community members.
- Promote diversity & inclusion.