



***Academic Program Modification (APM) for BS in
Artificial Intelligence (AI)***

Presentation to Academic & Student Affairs Committee
Board of Trustees
December 4, 2025



Background

- 92 million jobs will be displaced, but 170 million new jobs will be created, adding 78 million by 2030 related to AI (WEF: The Future of Jobs 2025).
- AI and big data top the list of fastest-growing skills, followed closely by networks and cybersecurity as well as technology literacy.
- National trend of reduction of students (~20%) in computer science, presumably going to AI and Cybersecurity.
- Computer Science Program now has 3 Concentrations: Data Science and Artificial Intelligence, High Performance Computing, and Information Assurance and Cybersecurity, but these concentrations are not obvious to prospective students.



Bachelor in AI Program: Approved

DR. STEVEN GENTILE
Executive Director



**Tennessee Higher
Education Commission**

STATE OF TENNESSEE
HIGHER EDUCATION COMMISSION
312 ROSA L. PARKS AVENUE, 9TH FLOOR
NASHVILLE, TENNESSEE 37243
(615) 741-3605

Memorandum

TO: Dr. Phillip Oldham, President
Tennessee Technological University

FROM: Dr. Steven Gentile, Executive Director
Tennessee Higher Education Commission

DATE: October 23, 2025

Pursuant to THEC Academic Policy A1.1 – Academic Program Modifications, the following program modification to establish a free-standing academic program from an existing concentration has been approved:

FROM: Major: Computer Science, Bachelor of Science (BS)
Concentration: Data Science and Artificial Intelligence
CIP: 11.0701 (Computer Science)
Credit hours: 120

TO: Major: Artificial Intelligence, Bachelor of Science (BS)
Concentration : None
CIP : 11.0102 (Artificial Intelligence)
Credit hours: 120



High Levels of Media Coverage

- ***WKRN News 2 Nashville***
- ***WSMV 4 Nashville***
- ***WTVF NewsChannel 5 Nashville***
- ***WATE 6 Knoxville***
- ***WJHL 11 Tri-Cities***
- ***WMC Action News 5 Memphis***
- ***WREG News Channel 3 Memphis***
- ***WHBQ Fox 13 Memphis***
- ***Herald-Citizen*** (featured on front page of Friday, Nov. 14 print edition)
- ***Upper Cumberland Business Journal***
- ***3B Media News***
- ***The UC Now (Stonecom Radio)***
- ***Tennessee Firefly***



