

# COMPUTER SCIENCE

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## Address

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## Undergraduate Programs:

- Minor in Computer Science (<http://catalog.umkc.edu/colleges-schools/science-engineering/computer-science/minor-computer-science/>)
- Bachelor of Arts in Computer Science (<http://catalog.umkc.edu/colleges-schools/science-engineering/computer-science/bachelor-of-arts-computer-science/>)
- Bachelor of Information Technology (<http://catalog.umkc.edu/colleges-schools/science-engineering/computer-science/bachelor-of-information-technology/>)
- Bachelor of Information Technology: Cybersecurity Emphasis (<http://catalog.umkc.edu/colleges-schools/science-engineering/computer-science/bachelor-of-information-technology-cybersecurity/>)
- Bachelor of Science in Computer Science (<http://catalog.umkc.edu/colleges-schools/science-engineering/computer-science/bachelor-of-science-computer-science/>)
- Bachelor of Science in Computer Science: Cybersecurity Emphasis (<http://catalog.umkc.edu/colleges-schools/science-engineering/computer-science/bachelor-of-science-computer-science-cybersecurity/>)

A BS/MS Option for completing both an undergraduate degree and a masters degree within five years is available for CS. Furthermore, a minor in computer science is available as well.

The two degrees in computer science are the bachelor of arts in computer science (B.A. with a liberal arts perspective), and bachelor of science in computer science (B.S. with a more thorough technical perspective). The bachelor of information technology (B.I.T.) degree caters to the needs of the IT industry and uniquely blends both computer science and business coursework.

## Graduate Programs:

- Master of Science in Computer Science (<http://catalog.umkc.edu/colleges-schools/science-engineering/computer-science/master-of-science-computer-science/>)
- Master of Science in Data Science and Analytics (<http://catalog.umkc.edu/colleges-schools/science-engineering/computer-science/master-of-science-data-science-analytics/>)
- Doctor of Philosophy in Computer Science (<http://catalog.umkc.edu/colleges-schools/science-engineering/computer-science/doctor-of-philosophy-computer-science/>)

Computer Science also participates in the Ph.D. program of the University of Missouri-Kansas City. This program is administered through the School of Graduate Studies at the University of Missouri-Kansas City and requires a student to select both a primary discipline and a co-discipline. Many doctoral students choose both primary and co-disciplines in our department or the School of Science and Engineering, but other disciplines can be taken as well. For more information, please refer to the School of Graduate Studies (<http://catalog.umkc.edu/colleges-schools/graduate-studies/>) in this catalog.

## Financial Assistance for Doctoral Students

Graduate assistantships are available to prospective doctoral students, but are highly competitive. Currently, most full-time Ph.D. students in the department are supported either as a graduate assistant or as graduate research assistant, or as graduate teaching assistant.

Doctoral students already in the program are eligible to apply for several fellowships available from the School of Graduate Studies. Check the School of Graduate Studies Web site at [www.umkc.edu/sgs/financial.asp](http://www.umkc.edu/sgs/financial.asp) (<https://sgs.umkc.edu/prospective-students/funding-your-graduate-education/>) for additional information.

## Faculty

### Computer Science Faculty

**Muhammad Ahsan Asim**; associate teaching professor; Ph.D. (University Malaysia Terengganu).

**Adu Baffour**; instructor; Ph.D. (University of Electronic Science and Technology of China).

**Shu-Ching Chen**; professor; M.S., Ph.D. (Purdue University).

**Sravva Chirandas**; instructor; M.S. (University of Missouri-Kansas City), M.S. (University of the Cumberland).

**Baek-Young Choi**<sup>2,3</sup>; professor; B.S. (Pusan National University, Korea); M.S. (Pohang University of Science and Technology, Korea); Ph.D. (University of Minnesota).

**Joan Gladbach**; instructor; B.S., M.S. (Missouri University of Science & Technology).

**Yijie Han**<sup>2,3</sup>; associate professor; B.S. (University of Science and Technology of China), Ph.D. (Duke University).

**Brian Hare**<sup>2</sup>; teaching professor; M.S. (University of Houston and University of Missouri-Kansas City).

**Lein Harn**; professor emeritus; B.A. (National Taiwan University); M.S. (University of New York at Stony Brook); Ph.D. (University of Minnesota).

**A S M Touhidul Hasan**; assistant teaching professor; Ph.D. (Shenzhen Institutes of Advanced Technology).

**Richard G. Hetherington**; founding director, computer science program, and professor emeritus; B.A. (Brothers College, Drew University); M.S., Ph.D. (University of Wisconsin-Madison).

**Yugyung Lee**<sup>2,3</sup>; professor; B.S. (University of Washington); Ph.D. (New Jersey Institute of Technology).

**Jesse Lowe**; assistant teaching professor; B.S., Ph.D. (University of Missouri-Kansas City).

**Deepankar (Deep) Medhi**<sup>2,3</sup>; curators' professor; B.Sc. (Cotton College, Gauhati University); M.Sc. (University of Delhi); M.S., Ph.D. (University of Wisconsin-Madison).

**Farid Nait-Abdesselam**<sup>2,3</sup>; professor; B.Eng (University of Algiers); M.S. (University of Paris); Ph.D. (University of Versailles, France).

**Jerry P. Place**, associate professor emeritus; B.B.A., M.B.A. (University of Missouri-Kansas City); M.S., Ph.D. (University of Kansas).

**Syed Jawad Hussain Shah**; Instructor; M.S. (University of Missouri-Kansas City).

**Xiaojun Shen**; professor emeritus; B.S. (Quinghua University); M.S. (East China Institute of Technology); Ph.D. (University of Illinois-Urbana).

**Mei-Ling Shyu**; professor; M.S., Ph.D. (Purdue University).

**David G. Skitek**; assistant professor emeritus; B.S. (University of Missouri-Rolla); M.S.E., Ph.D. (Arizona State University); P.E.

**Sejung Song**<sup>2,3</sup>; associate professor; B.S. (Pusan National University, Korea); M.S., Ph.D. (University of Minnesota - Twin Cities).

**Yusuf Sawar Uddin**<sup>2,3</sup>; assistant professor; B.S., M.S. (Bangladesh University of Engineering and Technology); Ph.D. (University of Illinois, Urbana-Champaign).

**Appie van de Liefvoort**; professor emeritus; Kandidaats; Doctorandus (Katholieke Universiteit, Nimegen, The Netherlands); M.S., Ph.D. (University of Nebraska-Lincoln).

**Dianxiang Xu**<sup>2,3</sup>; professor; B.S., M.S., Ph.D. (Nanjing University).

**Rafida Zaman**; Instructor; B.Sc. (Khulna University); M.S. (South Dakota School of Mines and Technology); Ph.D. (University of Missouri-Kansas City).

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