SCHOOL OF MATHEMATICS AND COMPUTER SCIENCES

Clifton Wise, Acting Chair
Hathaway Hall, Room 329
Phone: 502-597-6698
Email: clifton.wise@kysu.edu

Mathematical facts, procedures, skills, and processes are indispensable in acquiring understanding within all fields of science and central to the development and practice of critical thought and communication. Computer science packages these essentials into program courses at Kentucky State University which integrate theoretical as well as practical topics to provide students with the advanced conceptual framework and technical expertise required to succeed in new and ever-changing markets.

Mathematics offers a bachelor of science in Mathematics Education. Incoming students who desire to pursue a degree in mathematics education should also contact the education department and adhere to all the requirements listed there. Mathematics education students should have both an advisor in the education department and the mathematics department.

Computer Science offers a Bachelor of Science program in Computer Science with five academic tracks: computer information security, information systems, game development, mathematics, or network engineering. Students will learn skills in programming, systems, information security, databases, game programming, and networking components. The baccalaureate degree program in computer science is modeled in accordance with guidelines established by the Accreditation Board for Engineering and Technology (ABET).

Students in the Bachelor of Arts and Bachelor of Science Mathematics degrees are currently on a teach out plan and this degree will not be offered to incoming students after current students finish their degrees. The only degree that will be offered is a Bachelor of Science in Mathematics Education. All other math degrees are closed to enrollment as of July 1, 2023.

Bachelor of Science in Computer Science
Computer Science offers the following options as Bachelor of Science majors:

- Game Development (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/game-development-bs/)
- Information Systems (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/information-systems-bs/)
- Mathematics (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/mathematics-bs/)
- Computer Information Security (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/information-security-bs/)
- Network Engineering (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/network-engineering-bs/)
- Cybersecurity - KYSU On-Line (https://kysu-public.courseleaf.com/online/undergraduate/cybersecurity-bs/)

Computer Science Minors
Computer Science offers the following options as minors:

- Computer Gaming (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/computer-gaming-minor/)
- Computer Information Systems (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/computer-information-systems-minor/)
- Computer Science (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/computer-science-minor/)

Computer Science Certificates
Computer Science offers the following options as certificates:

- Computer Technician (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/computer-technician-certificate/)
- Cyber Security (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/cyber-security-certificate/)
- Database Analytics (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/database-analytics-certificate/)
- Information Assurance (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/information-assurance-certificate/)
- Network Associate (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/network-associate-certificate/)
- Network Professional (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/network-professional-certificate/)

Bachelor of Science in Mathematics
Mathematics offers the following options as Bachelor of Science majors:

- Bachelor of Science in Mathematics Education (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/mathematics-bs-education-track/)

KSU students who pursue a bachelor of science in Mathematics Education must also meet all other requirements for admission to and completion of the Teacher Education Program. Interested teacher candidates should contact the School of Education or refer to the School of Education section of the KSU Catalogue for more details.

The following Bachelor of Science Degree Tracks are closed to new enrollment as of July 1, 2023:

- Bachelor of Science in Pure Mathematics (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/mathematics-bs-pure-mathematics/)
- Bachelor of Science in Applied Mathematics - Pre-Engineering (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/mathematics-bs-applied-mathematics-pre-engineering-track/)
- Bachelor of Science in Mathematics - Pre-Engineering Biosystems (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/mathematics-bs-pre-engineering-biosystems-track/)
- Bachelor of Science in Mathematics - Pre-Engineering Chemistry (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/mathematics-bs-pre-engineering-chemistry-track/)
- Bachelor of Science in Mathematics - Pre-Engineering Materials (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/mathematics-bs-pre-engineering-materials-track/)

Bachelor of Arts in Mathematics

The following Bachelor of Arts Degree Tracks are closed to new enrollment as of July 1, 2023:

- Bachelor of Arts in Pure Mathematics (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/mathematics-ba-pure-mathematics-track/)

Computer Science Minors

Mathematics offers the following options as minors:

- Mathematics (https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-math-and-computer-sciences/mathematics-minor/)