School of Computing

The Bachelor of Science degree program in computer science is accredited by the Computing Accreditation Commission of ABET (http://www.abet.org)[1].

Computer Science

Program educational objectives (PEOs) are broad statements that describe what graduates are expected to attain within a few years after graduation. Program educational objectives are based on the needs of the program's constituencies.

We define two PEOs for our computer science program, where at least one of the PEOs should be attained by graduates:

1. The alumni, in the first several years after receiving their baccalaureate degree, will be productive and successful in the professional practice of computing, as evidenced by:
   a. Job satisfaction and contributions toward the success of one's employers;
   b. Effective participation and leadership on cross-functional teams;
   c. Being effective in identifying and solving real-world problems;
   d. Being effective at handling increased responsibilities;
   e. Receipt of job-related awards, promotions/raises and professional accomplishments.
2. The alumni, in the first several years after receiving their baccalaureate degree, will be successful in pursuing continuing education as evidenced by:
   a. Effective progression toward an advanced postundergraduate degree or professional certification;
   b. Participation in professional societies, professional conferences and meetings;
   c. Participation in life-long learning by adapting to new technologies, tools and methodologies in computing, and responding to the challenges of a changing environment;
   d. Scholarly accomplishments (e.g., publications, presentations);
   e. Professional self-study.

The computer science degree offers courses that emphasize core computer science concepts and their applications.

[1] Link opens new window.

Majors in the School of Computing
- Dual/Accelerated BS to MS in Computer Science (http://catalog.wichita.edu/undergraduate/engineering/school-computing/dualaccelerated-bs-ms-computer-science/)
- Dual/Accelerated BS to MS in Computing (http://catalog.wichita.edu/undergraduate/engineering/school-computing/dualaccelerated-bs-ms-computing/)
- Dual/Accelerated BS to MS in Data Science (http://catalog.wichita.edu/undergraduate/engineering/school-computing/dualaccelerated-bs-ms-data-science/)
- BS in Computer Science (http://catalog.wichita.edu/undergraduate/engineering/school-computing/bs-computer-science/)
- BS in Cybersecurity (http://catalog.wichita.edu/undergraduate/engineering/school-computing/bs-cybersecurity/)

Minors in the School of Computing
- Minor in Computer Science (http://catalog.wichita.edu/undergraduate/engineering/school-computing/minor-computer-science/)
- Minor in Cybersecurity (http://catalog.wichita.edu/undergraduate/engineering/school-computing/minor-cybersecurity/)

Certificates in the School of Computing
- Certificate in Cybersecurity Essentials (http://catalog.wichita.edu/undergraduate/engineering/school-computing/certificate-cybersecurity-essentials/)
- Certificate in Data and Web Security (http://catalog.wichita.edu/undergraduate/engineering/school-computing/certificate-data-web-security/)
- Certificate in Fundamentals of Information Technology (http://catalog.wichita.edu/undergraduate/engineering/school-computing/certificate-fundamentals-information-technology/)
- Certificate in Human Factors in Security and Technology (http://catalog.wichita.edu/undergraduate/engineering/school-computing/certificate-human-factors-security-technology/)

Courses in the School of Computing
- Applied Computing (AC) (http://catalog.wichita.edu/undergraduate/courses/ac/)
- Computer Science (CS) (http://catalog.wichita.edu/undergraduate/courses/cs/)[1]

[1] For a computer science course to be used as a prerequisite, it must have been passed with a *C-* or better.