



Are you interested in becoming a computer programmer, Web designer or network administrator? You might enjoy learning more about computer science at Central College. Central offers a broad range of computer science courses. Students gain experience working with computer programming languages such as Python, Java, C++ and PHP. Computer science graduates are well prepared for immediate employment or graduate programs. Past graduates have gone on to become application developers, network administrators, systems analysts, Web programmers and software engineers.

Faculty

- Robert Franks, Ph.D., professor of computer science, franksr@central.edu
- Stephen Fyfe, Ph.D., professor of computer science, fyses@central.edu
- Russell Goodman, Ph.D., associate professor of mathematics, goodmanr@central.edu
- Allen Hibbard, Ph.D., professor of mathematics and computer science, hibbarda@central.edu
- Mark Johnson, Ph.D., professor of mathematics and computer science, johnsonm@central.edu
- Thomas Linton, Ph.D., associate professor of mathematics and computer science, lintont@central.edu
- Mark Mills, Ph.D., associate professor of mathematics, millsm@central.edu
- Wendy Weber, Ph.D., associate professor of mathematics, weberw@central.edu

Successful Careers

- Lead program manager, Microsoft Games Studios, Redmond, Wash.
- Partner/chief technology officer, Mobitech, Omaha, Neb.
- Graduate student, DePaul University, game design, Chicago, Ill.
- IT software project engineer, Pella Corporation, Pella
- Graduate student, University of Iowa, computer graphics, Iowa City, Iowa
- Systems engineer, Entre Information Systems, Hiawatha, Iowa
- Research and development manager, Geonetric Inc., Cedar Rapids, IA

Internships

Internship experiences, which are recommended for majors, provide students with the opportunity to apply their knowledge. Central works with students to gain internship experience locally, regionally including an opportunity to spend a semester in the Chicago Metropolitan Center. Past internships include:

- Mercy Home Medical Services, Des Moines, Iowa

- Principal Financial Group, Des Moines, Iowa
- Pella Corporation, Pella, Iowa

[Learn more about internships](#) at Central.

Courses

- Calculus I
- Introduction to Web programming
- Introduction to computer science
- Scientific Programming
- Software design
- Data structures
- Computer organization and architecture
- Programming: language
- Web application development
- Advanced software design
- Algorithms
- Discrete structures
- Programming language concepts
- Database systems
- Computer graphics
- Numerical analysis
- Computer networks
- Web application development
- Junior and senior seminars

Sample Schedule

Freshman year

- Introduction to computer science
- Data Structures
- Calculus I
- Core courses and/or electives

Sophomore year

- Discrete Structures
- Software Design
- Computer organization and architecture
- Computer science elective courses
- Core courses and/or electives

Junior year

- Mathematics/computer science seminar
- Computer science elective courses
- Mathematics elective
- Core courses and/or electives

Senior Year

- Mathematics/computer science seminar
- Advanced software design
- Computer science elective courses
- Core courses and/or electives

Get more details from the [course catalog](#)! (Note: this is a PDF file)

Facilities

The computing science program is proud to offer a unique computing laboratory with an advanced networking lab which allows students to get hands-on computer networking experience. The laboratory includes an eight node, 16 processor cluster to support high performance, parallel

computing activities. The laboratory also has other advanced technologies to support courses and independent studies.

Department Web site

Central's math and computer science department maintains its own [website](#) with even more information about majoring in math or computer science.

Organizations

No matter what your interests are, Central has a student group or organization you'll be interested in! The mathematics and computer science department regularly organizes social activities for its students. Computer science majors may also be interested in joining a team for one of the programming contests that Central regularly participates in.

Study Abroad

Students are encouraged to study abroad with one of Central's eight international programs to enhance their development as global citizens, or with Central's Chicago program and the Washington, D.C., program. Learn more about Central's [study abroad programs](#).

Toll Free 877-462-3687
641-628-5285

812 University Street
Pella, Iowa 50219

admission@central.edu
www.central.edu

