

DISCOVER

Computer Science

The computer science program at Cottey is designed to provide introductory, foundation courses for students seeking degrees in computer science and information science. Computer scientists develop and adapt principles for applying computers to new uses. Mathematical ability and logical thinking are the core skills needed for computer science. Cottey's curriculum is grounded in the development of programming skills through an analytic and problem solving approach. It will prepare you for specialization in many computer fields including, graphics, robotics, and computer systems, just to name a few.

Career Opportunities

The field of computers is generally in high demand even through times of economic fluctuations. With the widespread and increasing use of computers in every part of today's economy, there are a tremendous number of opportunities. Computer science is a broad field encompassing the design, manufacture, application and effectiveness of computers, computer materials, and computer equipment.

People who major in computer science find themselves working on a variety of different technologies; however, three-quarters of Computer Science graduates will work in the private, for-profit sector.

Occupations related to computer science are: computer programmers, animators, & engineers; software designers & engineers; systems analysts; networking administrator; database manager.

Internship and Directed Study Opportunities

As a computer science major, your chances to gain real world learning experiences through internships and directed studies are very important.

Students at Cottey College participate in internships throughout the year with a variety of businesses, organizations, and non-profit agencies. A successful internship provides students with an opportunity to apply their classroom learning to the workplace.

Employers and graduate schools agree that students who have put classroom concepts and skills to work in a "real world" environment are more realistic and productive than those who have not.

With the assistance of faculty and the transfer and career planning coordinator, computer science majors can find a variety of local and national internship experiences.

Get Involved

Want to have fun and develop your leadership skills and your resume at the same time? Then get involved at Cottey College and in the Nevada community.

Cottey College has more than 35 student clubs and organizations in which to be involved. Plus, the Nevada and surrounding community offer an abundance of service opportunities.

Here are a few activities on campus you might consider pursuing as a computer science major: Cottey Computer Club (CCC), the Retrospect (Cottey's annual yearbook), Phi Beta Lambda, or Anime.

Activities off campus include: volunteering at the YMCA, Nevada public schools, or with Nevada Economic Development or Chamber of Commerce.

Opportunities exist locally to intern with a variety of health care facilities, non-profit organizations, and government agencies.

Directed study opportunities are available in all disciplines. Under the supervision of faculty, students can pursue academic credit on a topic or project that is related to, but beyond the scope of, regular course offerings.

Directed study topics can be tailored to your interests, whether it is conducting individual scientific research, studying girls' punk music, or conducting advanced computer programming.

SHAPING YOUR OWN DESTINY

Computer Science (4-Semester Sample Schedule)

Students should consult the catalog of the college to which they plan to transfer for specific requirements in their major. This suggested schedule is designed to provide the Associate in Science degree candidate with the appropriate Cottey College core curriculum and enough coursework in their field to complete the 62 hours required for an A.S. degree. *Schedules may vary based on available classes and interests.*

First Year Fall Semester	Credit Hrs.	First Year Spring Semester	Credit Hrs.
ENG101 English Composition I	3	ENG102 English Composition II	3
MAT201 Calculus I or higher	4	PHI112 Logic	3
Fine Arts Theory	3	MAT202 Calculus II or higher	4
Lab Science CHE or BIO	4	CSC110* Intro to Computer Science	3
ECO, HIS, or POL	3	Physical Activity	1
		Electives	1 to 3
Second Year Fall Semester	Credit Hrs.	Second Year Spring Semester	Credit Hrs.
Social Science	3	CSC212* Data Structures	3
PHY201 General Physics I	5	PHY202 General Physics II	5
CSC202* Intro to Programming	3	CSC296* Discrete Math	3
MAT 203 Calculus III or higher	4	MAT204 Differential Equations	3
ENG210 Business & Technical Communication	3	Physical Activity	1

*Courses recommended for major

OTHER RELEVANT COURSES THAT ARE ALSO HIGHLY RECOMMENDED AS ELECTIVES:

CHE101 Introductory Chemistry
 CHE103 General Chemistry I (also CHE104)
 CSC100 Computer Applications in the Liberal Arts
 MAT104 Trigonometry
 MAT112 Statistics

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Faculty Advising

Preparing a class schedule, investigating majors, and researching transfer institutions can be confusing for a first-year student. At Cottey College, academic advising assists the individual student in clarifying and achieving her educational goals.

Each student is assigned a full-time faculty member as an academic advisor. Together the advisor and student devise a balanced academic program, which encompasses the students educational

and career ambitions. The advisor reviews all registration decisions, the advisee's academic progress, and suggests transfer and career options.

This personalized approach to student advising allows the student to take responsibility for her own academic program, while tapping into faculty expertise.

For more information contact:
 Enrollment Management
 1000 West Austin
 Nevada, MO 64772
 1-888-5-COTTEY
 www.cottey.edu
 enrollmgt@cottey.edu

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