WHY UW?

⚙ Continuing UW engineering students and high school seniors are offered more than **275 merit-based scholarships** each year.

⚙ Approximately **90%** of CEAS **courses are taught by tenured faculty**, with graduate students assisting in the labs.

⚙ The small size of the college, **a student-faculty ratio of 20:1**, and an **average class size of 25** provides great hands-on learning and the opportunity to participate in undergraduate research.

⚙ Fall and spring career fairs are attended by **50-60 local, regional and national employers/organizations** hiring UW engineering students for internships and positions upon graduation. Students who graduate report a **75% rate of employment in their chosen field within three months of graduation** and **90% within six months.**

⚙ UW College of Engineering and Applied Science (CEAS) seniors consistently pass the Fundamentals of Engineering Exam with scores **5-12% above the national average.**

⚙ Three UW residence hall floors with a **computing laboratory** house approximately 150 students and are designated for engineering students only.

⚙ With **more than 250 recognized student organizations**, UW offers a wide range of opportunities to fit your interests and needs. Engineering students can choose to become involved in ACM (Association of Computing Machinery), Robotics Club, TBP (Tau Beta Pi), SWE (Society of Women Engineers) and many more.

⚙ The International Engineering Club, along with Engineers without Borders-Wyoming, was formed to facilitate students interested in **study abroad, international internships or international service.**

GO FOR GOLD

Contact Information

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Computer Science Faculty

James Caldwell - Department Head
Ph.D., Cornell University, 1998

Allyson Anderson
M.S., University of Wyoming, 1994

Thomas Bailey
Ph.D., Michigan State University, 1978

Amy Banic
Ph.D., University of North Carolina at Charlotte, 2008

Kim Buckner
Ph.D., University of Tennessee, 2003

Jeff Clune
Ph.D., Michigan State University, 2010

Ruben Gamboa
Ph.D., University of Texas at Austin, 1999

John Hitchcock
Ph.D., Iowa State University, 2003

James Ward
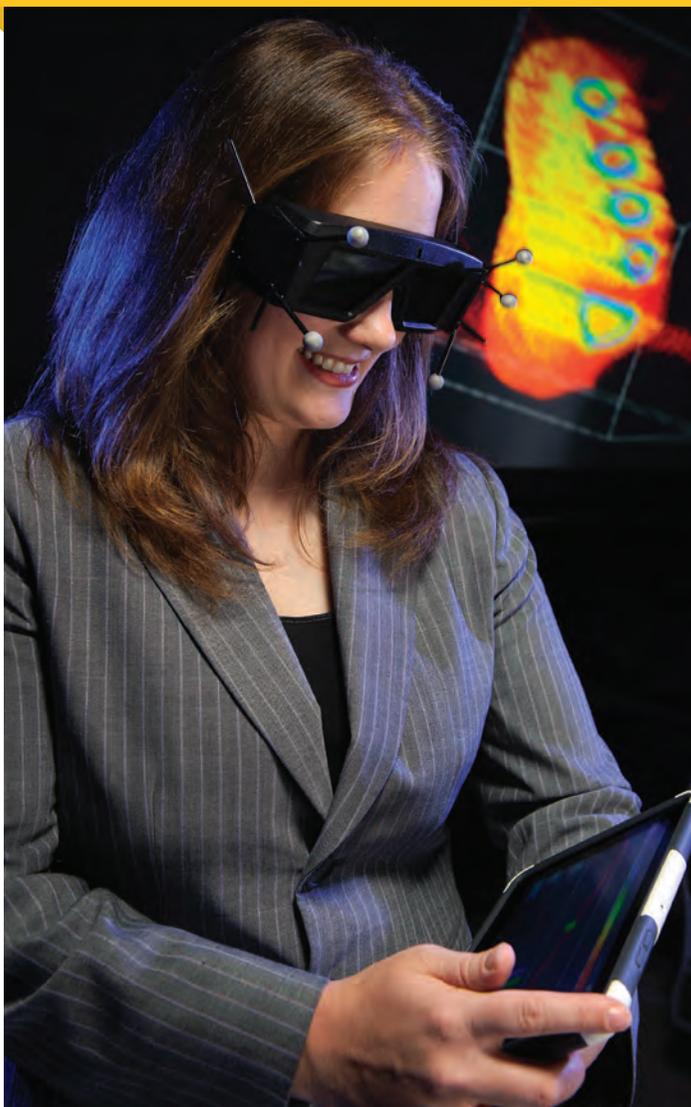M.S., University of Wyoming, 1997

COLLEGE OF ENGINEERING & APPLIED SCIENCE

UNIVERSITY OF WYOMING

COMPUTER SCIENCE

> **The Bureau of Labor Statistics projects that 70 percent of all newly created jobs across all STEM fields during this decade —across engineering, the physical sciences, the life sciences, and the social sciences—will be in computer science.**
>
> - Ed Lazowska, Bill & Melinda Gates Chair, University of Washington, from Seattle Times, May 2013

» Find out more at uwyo.edu/cosc

Careers in Computer Science

There are more software jobs than can be filled with current graduates, with this remaining true for the foreseeable future. These are high-paying jobs housed in rich working environments. Software-related work is a highly creative endeavor and interesting design problems arise in every project. The creative aspect of the work is stimulating and can sustain an entire career. Traditional areas of computer science such as graphics, software engineering, networks, databases, multimedia, and artificial intelligence remain strong, with job growth being driven by advances in robotics and the fundamental impact of computer science in nearly every industry. There are many challenging problems remaining for computer scientists to solve.

Degree Programs

- **Bachelor of Science in Computer Science**
- **Bachelor of Science in Computer Science with a Business Concentration**
- **Bachelor of Science in Computer Science with an International Engineering Concentration**
- **Bachelor of Science in Computer Science with a Big Data Concentration**
- **Master of Science in Computer Science**
- **Doctor of Philosophy in Computer Science**

The average yearly salary for computer scientists was $102,190 in May 2012.

Industrial Affiliates Program

The Industrial Affiliates Program (IAP) has been developed to link industrial and business partners with students and faculty members. Partner companies pay an annual fee to form unique networking possibilities. Partners belonging to the IAP offer students opportunities for internships and full time positions with their companies. For more information and a list of partners participating the program please visit: **uwyo.edu/cosc/industrial_affiliates/**

The median annual wage for computer scientists is 66 percent higher than the average wage in the United States.

The Rocky Mountain Celebration of Women in Computing conference encourages the career interests of women in computing.