

Computer Science

Degrees Offered

- Bachelor of Science in Computer Science
- Master of Science in Computer Science
- Ph.D. in Computer Science

Accreditation

Less than 10 percent of computer science programs in the U.S. are accredited by the Computer Science Accreditation Commission. MSU's program is one of these elite few. Employers view accreditation as an important seal of approval and, in some cases, a prerequisite to employment.

Companies that have recently provided internships and permanent employment

- Battelle Northwest
- Boeing
- Extended Systems
- Hewlett-Packard
- IBM
- Micron
- Microsoft
- Tektronix
- Texas Instruments
- US West
- Video Lottery Consultants

Undergraduate Admission Requirements

1. GPA - freshman: 2.5; transfer: 2.0
2. SAT is suggested, but not required, for international students
3. TOEFL: 195/525

Graduate Program Requirements

1. GPA: 3.0
 2. GRE: Contact department
 3. TOEFL: 250/600
- E-mail: gradappl@cs.montana.edu
www.montana.edu/gradstudies/depts_cs.shtml



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Marks of Excellence

- Only four computer science students in the U.S. have ever been awarded Goldwater Fellowships—the country's most prestigious honor for undergraduate students majoring in science or engineering. All four were MSU students.
- In the past 10 years, four MSU computer science students have been named *USA Today* Academic All Americans, an award given to the top 100 students in the U.S. each year.
- MSU has the most qualified faculty in the region. All of our permanent faculty members have Ph.D.s in computer science.
- In recent years, 100 percent of computer science graduates seeking positions in industry have had employment offers prior to graduation.
- MSU is designated as a "Key School" for computer science students by Hewlett-Packard's VLSI division, Tektronix, Inc. and Micron Technology.

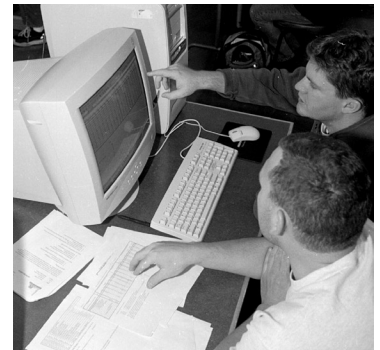
The U.S. Bureau of Labor Statistics projects the 10-year growth for all careers to be 25 percent. For computer science careers, it is significantly higher. For instance:

- jobs for computer systems analysts are projected to grow 79 percent
- jobs for computer programmers are projected to grow 56 percent

And, according to the College Placement Council, computer science graduates earn 32 percent more than the average college graduate.

Student Services

- Excellent research opportunities are available for undergraduate and graduate students. Areas of faculty expertise include artificial intelligence, computational biology, graphics, networks, scientific visualization, software engineering and Web-based active learning resources.
- Instructional computing labs are equipped with high-speed network access. The EPS building is saturation wired for 100 megabit networking and utilizes campus Internet 2 connections.



Department of Computer Science

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The College of Engineering



Majors

- Bio-Resources Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Computer Science
- Construction Engineering Technology
- Electrical Engineering
- Industrial and Management Engineering
- Mechanical Engineering
- Mechanical Engineering Technology

Competitive Edge

An MSU engineering education is a good value. Compared to annual undergraduate tuition at MSU,

- tuition at MIT costs 8 times more
- tuition at Stanford costs 7 times more

Accreditation

All engineering programs are accredited by Commissions (EAC or TAC) of the Accreditation Board for Engineering and Technology (ABET). Computer Science has been accredited by the Computer Science Accreditation Board—a recognition that has been earned by just 10 percent of all computer science programs in the U.S.

MSU engineering students achieve one of the highest passing rates on the Fundamentals of Engineering Exam in the nation.

- MSU's average pass rate over the past 10 years: 92 percent
- National average: 75 percent



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Profile of Achievement

Ramon Costa (from Spain) and Dipali Patel (from Tanzania) met as undergraduate engineering students at MSU. After working for a few years in Spain, and getting married, they are both back at MSU and eager to share their experiences with you.



“My wife Dipali and I graduated from MSU in 1999 in electrical engineering and industrial and management engineering, respectively. We had such a great time and awesome learning experience here at MSU that we decided to come back to graduate school in 2002 for our master’s in industrial and management engineering. If the first time was great, the second is even better.” —Ramon Costa

Best of Both Worlds

MSU's College of Engineering really does offer the best of both worlds: a nationally recognized education in a small town atmosphere. Here you will find a program large enough for your highest aspirations, and personal enough to appreciate your individuality.

Your professors will know your name, where you are from, your interests and what inspires you. At the College of Engineering, teaching is our top priority. You will receive individual attention in small classes. (Average class size for lectures and seminars is just 36 students. For labs, just 25.) And, unlike at larger universities, our faculty is available to provide help outside of class.

Our \$23 million Engineering and Physical Sciences building will give you the hands-on experience you'll need to keep up with industry and technology. Plus, with the complex's satellite uplink/downlink technology, you will be able to tap into resources across the U.S.

Opportunities Beyond the Classroom

Each year as many as 40 ambitious undergraduate students in math, engineering and science find a place to pursue their interests in the **Center for Biofilm Engineering**—one of only 18 Engineering Research Centers in the U.S. established by the National Science Foundation. The center brings MSU faculty and students together, in small teams, with representatives from companies such as Conoco and Proctor & Gamble to find ways to control the effects of biofilm bacteria growth in medical, industrial and environmental systems. Additional internship and research opportunities are available at the **Western Transportation Institute** and at the **Montana Manufacturing Extension Center**.

College of Engineering

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