CAREERS FOR

Computer Science

MAJORS

UNM's Computer Science program prepares you for a career in the digital economy. A high demand for computer software, including: new applications for smart phones and tablets, increased use of healthcare digital platforms, an increase in the use of computer systems in consumer products, such as appliances, and concerns over computer security have resulted in the projected growth of careers in computer science to increase faster than average making it a degree rich in job opportunity.

Computer Science majors may have a variety of job titles: Software Developer, Database Administrator, Computer Systems Analyst, Computer Network Architect, Web Developer, Information Security Analyst, Computer Information Research Scientist, and Data Scientist among others.

Some employers may prefer that software developers have a graduate degree. Also, to advance to a management position, a graduate degree may be required. UNM offers a BS/MS shared credit program, a Master of Science in Computer Science, and a PhD in Computer Science.

Research Topics in Computer Science
Theoretical Foundations
Advanced Distributed System Platforms
Complexity of Social Computing
Biological Systems and Processes

Industries & Target Employers
Private Industry, Government - Federal, national and local government agencies, research, national laboratories, Education - University/college faculty or administrator (PhD required), researcher
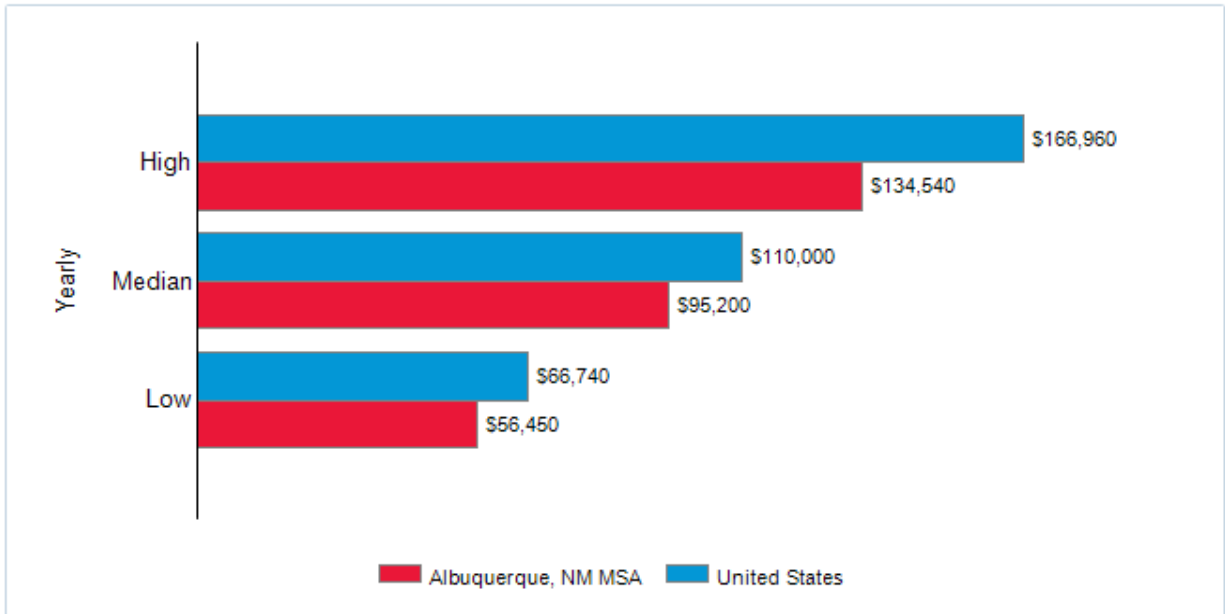
Top Companies
Microsoft Corporation / Amazon / Google / Facebook
The Boeing Corporation / Intel Corporation / Lockheed Martin
Sandia National Labs / Los Alamos National Lab / Indica Labs

As one of the largest consumers of data on Google Cloud, Descartes Labs, a well-funded start-up that spun out of Los Alamos National Labs, employs Software Engineers, Cloud Architects, Data Scientists, Data Engineers and UI designers in their Santa Fe, NM Headquarters.

Salary Information Software Developers, Systems Software

Tips
Skills in the most up to date programming tools and proficiency in one or more programming languages will make you competitive in software development.

Knowledge related to the industry you are working for, such as finance if working for a bank, will help you understand the computing needs of the industry.

Learn More
International Association of Computer Science and Information Technology
Association for Computing Machinery
IEEE Computer Society
Computing Research Association
Handshake
O*NET: Software Developers
Occupational Outlook Handbook: Software Developers
Buzzfile: Employers of Computer Science majors
Student Activities Center Association for Computing Machinery UNM Student Chapter, Computer Science Graduate Student Association (CS GSA)