

CAREERS FOR

Chemical Engineering

MAJORS

Chemical engineers advance medicines, develop electronics, enhance food production, generate energy, improve materials, and save the environment by applying chemistry, biology, mathematics, and engineering knowledge to solve challenges. They design and manufacture raw materials into everyday products including the clothes we wear, the food and drink we consume, and the energy we use.

[The Department of Chemical & Biological Engineering](#) at UNM offers a B.S. in Chemical Engineering (Concentrations: Chemical Process Engineering, Bioengineering, Environmental Engineering, Materials Processing, and Semiconductor Manufacturing), an M.S. in Chemical Engineering, and a Ph.D. in Engineering with a concentration in Chemical Engineering.

Eligible undergraduate students may apply to the [Shared-Credit Undergraduate/Graduate Degree Program](#) designed to allow students to complete a B.S. and M.S. in an abbreviated time period (usually five years, depending upon the student's mathematics preparation upon entering **UNM** as a first-year student). Typically, students choose an M.S. degree in Chemical Engineering or Biomedical Engineering, but students may also choose an M.S. in another engineering field. For students interested in the business side of chemical engineering, they may apply to the [3+2 BS/MBA Program](#).

Industries & Target Employers

Private Industry

Nanotechnology, alternative energies, biotechnology, agricultural, polymerization, industrial, petroleum, pharmaceutical and medicine, cosmetic, food processing, environmental, consulting, development, project management, electronics, fuels and energy, materials, manufacturing plants, sales, fire-prevention and protection, mining safety, nanomaterials, biological engineering, health and safety

Government

Federal, national and local government agencies, research, national laboratories

Education

University/college faculty or administrator (PhD required), researcher

Top Companies

[Sandia National Labs](#)

[CITGO Petroleum Corporation](#)

[Illumina, Inc.](#)

[Los Alamos National Lab](#)

[Apple Inc.](#)

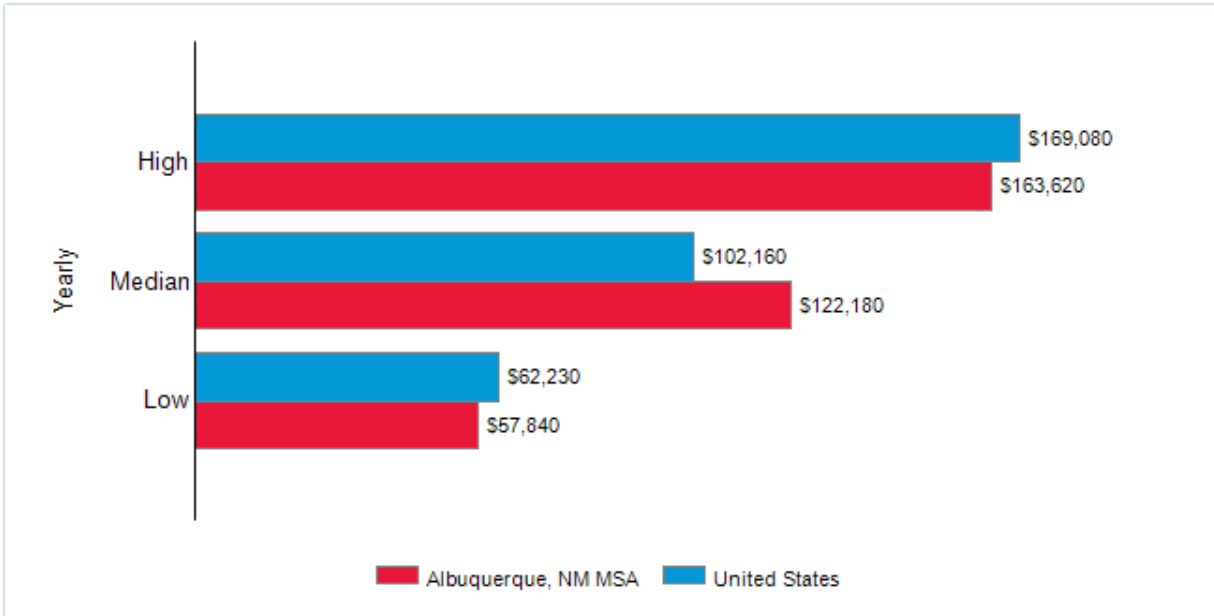
[Community Power Corporation](#)

[Trinity Consultants, Inc.](#)

[Aecom](#)

[Sandia National Labs](#) and [Los Alamos National Lab](#) are leading employers in New Mexico for UNM graduates.

Salary Information [Chemical Engineers](#)



Tips

- Technical skills and regulatory compliance knowledge of health, safety, and environmental regulations are essential.
- Teamwork skills for collaborating to solve problems with production and manufacturing teams of engineers, technicians, and mechanics are important.
- Awareness of commercial processes including logistics, sales, and marketing of products may set you apart from other candidates.
- [Intel](#), a global corporation, has a manufacturing location in Rio Rancho, NM. Intel hires UNM students and graduates.

Learn More

[American Institute of Chemical Engineers](#)

[AIChE Internship Career Center](#)

[American Chemical Society](#)

[The Association of Energy Engineers](#)

[Biomedical Engineering Society](#)

[North American Catalysis Society](#)

[Handshake](#)

[O*NET: Chemical Engineers](#)

[Occupational Outlook Handbook: Chemical Engineers](#)

[Buzzfile: Employers of Chemical Engineering majors](#)

[Student Activities Center - American Institute of Chemical Engineers \(AIChE\) Student](#)

[Chapter, Hispanic Engineering and Science Organization \(HESO\), American Indian](#)

[Science and Engineering Society \(AISES\), National Society of Black Engineers \(NSBE\),](#)

[Society of Women Engineers \(SWE\)](#)