Genetics, cell biology, and development (GCD) focuses on the mechanisms by which genetic information is used to specify cell structure and function, and how that information drives cellular interactions that convert a single cell to develop into a complete organism. When you study GCD, you’ll learn about advances in the field by studying model organisms like plants, fruit flies, zebra fish, and mice.

A degree in GCD will prepare you for graduate study in molecular biology or related biological sciences, for professional training programs in health sciences, careers in teaching, and entry-level positions in industry, government agencies, or universities.

Meet Our Alumni

Sepeedeh Niknam, 2013

Since graduating from the University of Minnesota in 2013, Sepeedeh has been working as an emergency medicine scribe at the Emergency Physicians Professionals Association, noting that the position is a pivotal stepping-stone toward a dream of practicing medicine. Prior to receiving this position, Sepeedeh was a Summer Undergraduate Research Fellow at the Mayo Clinic. At Mayo, she conducted real-time laboratory research and actively expanded her medical sciences background. Sepeedeh also tutors East African Indian children in order to integrate within her community and learn more about different socio-cultural beliefs.
You might also explore

Biology, Society, and Environment
Biomedical Engineering
Biochemistry
Biology
Neuroscience

Associated Careers

Medicine, Biomedical Engineers, Forensic Scientists, Gynecologists and Obstetricians, Medical Scientists, Science Technicians, Technical Writers, Veterinarians, Physician, Doctor