Undergraduate Program

Mining at Virginia Tech

Virginia Tech’s Mining and Minerals Engineering department was established in 1872, producing the university’s first engineering graduate. Since then it has grown into one of the largest and best recognized mining and minerals engineering programs in the nation, producing on average 35 new mining engineers a year.

Academic Program

Our curriculum exposes students to an extensive range of traditional as well as innovative studies in areas including exploration, rock mechanics, mineral processing, mine design, commodity analysis, ventilation and environmental reclamation. The program emphasizes technical competency coupled with sound laboratory practices and procedures. Courses in health and safety and leadership ethics, as well as an integrated writing and communications program, help round out our graduates as effective leaders and managers. Our graduates are well suited to take on industry challenges and positions, yet they are equally prepared to engage in high levels of research at the graduate and post-graduate level.

Career Opportunities

The department has one of the university’s best job placement rates, with almost all graduates securing positions in top mining and minerals corporations where starting salaries are some of the highest in the profession. In addition, students benefit from the department’s extensive summer internship and co-op recruitment program, which provides real world mining experience while also helping to pay for school.

Support

The department receives generous financial support from its alumni and the industry. As a result, our students are afforded excellent financial opportunities in the form of scholarships. More than sixty percent of mining and minerals engineering students qualify to receive up to $3000 per year in financial aid.

Community

Mining and Minerals Engineering students are some of the most active on campus. Members of the Burkhart Mining Society (student chapter of SME) attend regional and national mining conferences while the Women in Mining chapter organizes annual tours of working mine sites and equipment manufacturers. Each year our Mining Competition Team sends its students to compete at both the national and international level.

More Info

Information about the department is available at www.mining.vt.edu

To apply to Virginia Tech and the Mining & Minerals Engineering program www.admiss.vt.edu

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