

FY10 UA Capital Budget Request
\$25 million (new facilities planning money for UAF and UAA)

UAF College of Engineering and Mines

(new facilities planning for UAF and UAA)

Background

The UAF College of Engineering and Mines has been educating engineering students since 1922 when UAF opened its doors as the Alaska Agricultural College and School of Mines. Over the years, students from around the world have pursued their engineering degrees at UAF, taking advantage of the opportunity to learn one-on-one from outstanding faculty in the unique environment of Interior Alaska.

The college's six established programs are fully accredited by the Accreditation Board for Engineering and Technology. CEM offers seven undergraduate degrees in the following specialized areas:

- Civil engineering
- Computer engineering
- Electrical engineering
- Geological engineering
- Mechanical engineering
- Mining engineering
- Petroleum engineering

CEM also offers 14 graduate degrees, ranging from arctic engineering to engineering management.

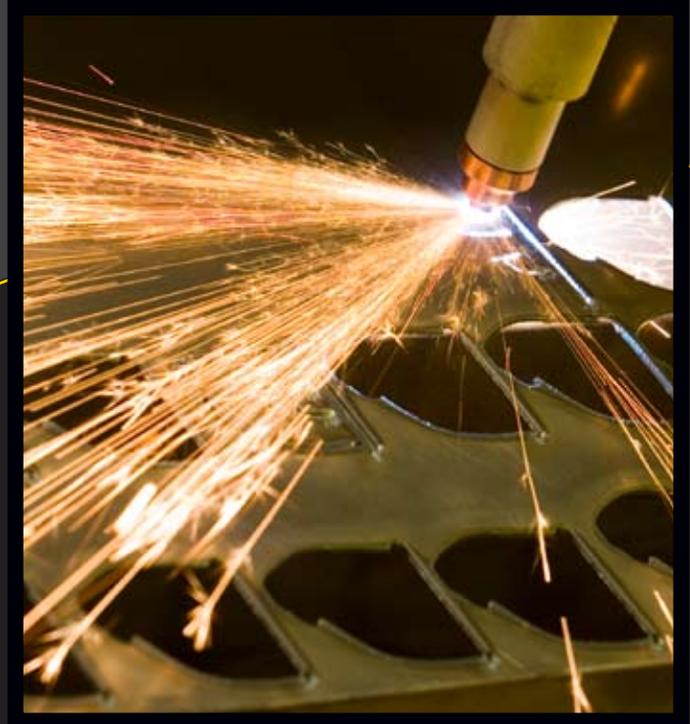
Skyrocketing enrollments, overflowing space

Strategic recruitment strategies, combined with close partnerships with industry and employers, have made CEM one of the most successful colleges in enrollment growth at UAF in recent years.

Between fall 2001 and spring 2008, enrollment at UAF's College of Engineering and Mines increased 73 percent.

In just the last year, new undergraduate engineering student enrollment increased 10 percent, and new graduate enrollment went up by 75 percent.

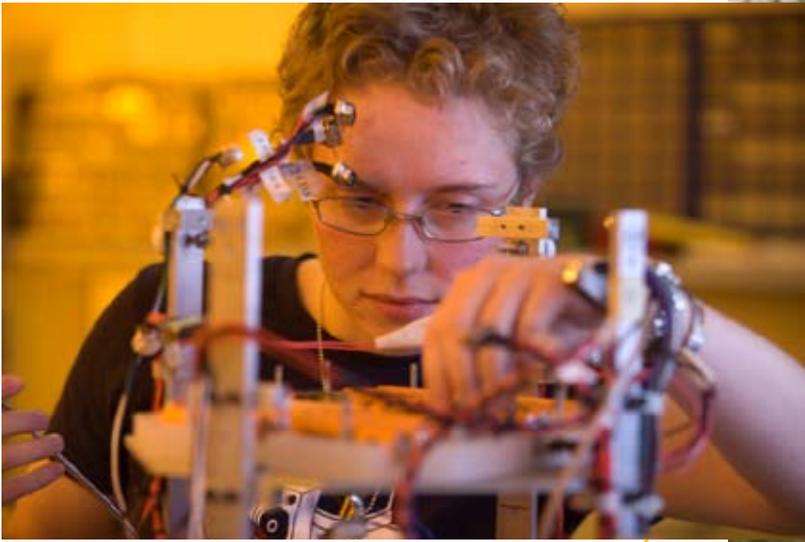
The growth in enrollment has resulted in significant challenges in terms of space, as evidenced by the overflowing classrooms in the Duckering Building.



The project will be the **single most important key** to helping meet the **state's goal** of doubling the number of graduating engineers **by 2012.**



Proposed Facility



Student rocket project team member Tess Caswell works on the rocket payload in a Duckering Building work room.



This artist's concept illustration shows the location of the new engineering annex highlighting the sky bridge connecting it to Duckering.



A new engineering facility at UAF will meet our current needs and foster continued growth in academics and job training for future engineers in Alaska's construction, oil and gas industries.

The University of Alaska is seeking \$25 million for new facilities planning in FY10 for an engineering facility expansion at UAF as well as for an engineering instruction facility at UAA.

UAF has completed concept planning for additional space, including estimated square footage and cost as well as site selection. UAF's concept plan is conservative, accommodating only current enrollment growth at 130 square feet per full-time engineering student. The addition will be built across from the Duckering Building on the corner of Tanana Loop and Taku Drive, the present location of the Cooperative Extension Service building. The site's proximity to Duckering means greater access and more convenience for students. CES would be relocated to more public accessible space that will be freed up as part of a campus multi-facility backfill plan.

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UNIVERSITY OF ALASKA FAIRBANKS
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