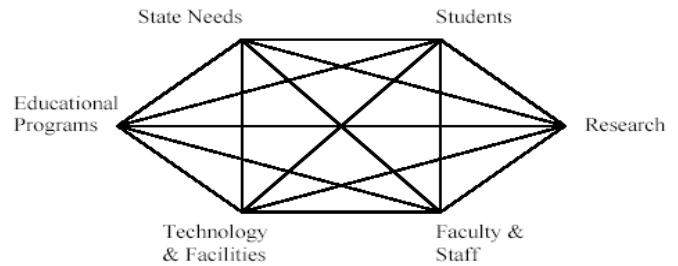


University of Alaska Board of Regents
Program Approval Summary Form

MAU: University of Alaska Fairbanks

Title: Fast Track Mechanical Engineering
Bachelor/Master Degrees

Target admission date: Fall 2009



How does the program relate to the **Education** mission of the University of Alaska and the MAU?

The proposed program aims to fulfill the education mission of the Department of Mechanical Engineering: To offer the highest quality, contemporary education at the undergraduate and graduate levels and to perform research appropriate to the technical needs of the State of Alaska, the nation and the world.

We have discussed the development of the program within the department including faculty, staff, students, and colleagues at UAF including the Computer Science Department which has a similar program to the one being proposed. We have also requested members of ME Department's Advisory Board for comments. Since this is a Mechanical Engineering specific program, there should be no impact on other existing programs.

What **State Needs** are met by this program?

The proposed program, through retaining and advanced training of our own excellent undergraduate students, will provide the much needed high-quality workforce for the State of Alaska for economic development.

What are the **Student** opportunities and outcomes? Enrollment projections?

The combined accelerated degree for Mechanical Engineering undergraduate students is designed for excellent students to complete both a Bachelor of Science and a Master of Science in five years. Students receive advanced training by taking graduate level classes and conducting high-level research at a reduced cost and reduced time. The training should enhance the career paths and options of the graduates.

Projected enrollment is 4 to 8 students per year with a maximum of 30 students in total.

Describe **Research** opportunities:

Students will conduct research through either the project or thesis option. There is a wide range of challenging research topics and projects student may choose from, including many related to cold-regions research.

Describe Fiscal Plan for development and implementation:

Existing resources are adequate for the proposed program.