

Pre-engineering at Hibbing

Program Aim

The purpose of ALI's Pre-engineering Program is to promote the education and exploration of engineering careers among high school students by providing the technical skills and knowledge necessary for them to make career decisions in this field. Here's what you can look forward to by participating in this program:

- career exploration
- college credit
- job-ready skills

Program components

This program is a collaborative effort between one area high school and Hibbing Community College. This combined effort helps to build a more skilled, educated workforce through programs like this. Classes are offered to 11th and 12th graders through the following:

- daytime classes

Classes

Fall 2008

Introduction to Engineering *

2 college credits

day course

* Hibbing High School and Hibbing Community College instructors team-teach this course to high school students at Hibbing High School. Visits to area engineering firms, mining facilities and Hibbing Community College are included in the curriculum. Practicing engineers are brought in as guest lectures throughout the course.

Participating High Schools

- Hibbing

Listed above are several examples of careers you can pursue through ALI courses. If you are interested in this program or want to register for these classes, contact your high school counselor or principal and say you're interested in the ALI Pre-engineering Curriculum through Hibbing Community College.

For more information, contact Mike Raich at michaelraich@hibbing.edu • 218.262.6702.

ALI

Applied Learning Institute (ALI) was formed in 2006 to enhance the curriculum in northeast Minnesota by providing experiential learning that combines hands-on training and technology. The result will be highly trained, knowledgeable workers who are equipped with the technical and problem-solving skills needed by employers in the region and throughout the world. From this point on, each year thousands of work opportunities will be available in northeast Minnesota. While the region will have 7,500 openings each year due to retirements alone, some jobs have not even been created yet.

ALI programs are in the fields of advanced automotive, business entrepreneurship, construction trades, healthcare, industrial technology, natural resources and pre-engineering. ALI is a partnership connecting northeastern Minnesota school districts, colleges of the Northeastern Higher Education District (NHED), Iron Range Resources (IRR), Range Association of Municipalities and Schools (RAMS), and Minnesota Center for Engineering and Manufacturing Excellence (MNCEME). ALI is funded through a Minnesota legislative appropriation to NHED, funds from Iron Range Resources, and membership dues from partner institutions.