SCIENCE MANAGEMENT

College of Engineering and Mines Department of Civil and Environmental Engineering 907-474-7694 http://cem.uaf.edu/cee/

M.S. Degree

This program is presently suspended.

Minimum Requirements for Degree: 30 credits

The science management curriculum is designed for graduate scientists who will hold executive or managerial positions in engineering, construction, industrial or governmental organizations. It includes human relations, financial, economic, quantitative, technical and legal subjects useful in solving management problems.

M.S. Degree

- 1. Complete the following admission requirements:
- a. Complete a bachelor's degree in a scientific field.
- b. On-the-job professional experience is recommended.
- 2. Complete the general university requirements (page 243).
- 3. Complete the master's degree requirements (page 243).
- Present project reports which provide comprehensive analysis and propose solutions to a situation in an engineering or scientific management setting. Pass an oral comprehensive examination.
- Complete courses from the four main engineering management subject areas as follows:
- b. Project Management (two courses required) ESM F609—Project Management (3)
- $c. \ \ Quantitative \ Methods \ (one \ course \ required)$
 - ESM F622—Engineering Decisions (3)
 - or ESM F620—Statistics for ESM (3)
 - or ESM F621—Operations Research (3)......3
- d. Financial (two courses required)
- 6. Complete the following:
- 7. Minimum credits required30

Note: Balance of credits may be managerial or technical electives as approved by the student's graduate advisory committee.

* May be waived with prior undergraduate engineering economics course.

See Arctic Engineering.

See Engineering for Ph.D. program.

See Engineering Management.

See Environmental Engineering and Environmental Quality Science.

