GRADUATE CERTIFICATE IN
SCIENCE MANAGEMENT

Scientists have been trained to focus on specific disciplines where the
majority of their team members or coworkers have similar technical
backgrounds and "speak" the same language. As a scientist progresses
in their career at a company or agency, they increasingly begin to
supervise and manage people and projects - tasks they have generally
never been trained for. When a technical individual crosses over to a
program lead or manager role, he or she must acquire a new suite of
skills in leadership, planning, and collaboration with other (often non-
science) units within an organization. We seek, by means of the science
management program, to give scientists those skills.

This graduate certificate is aimed at two primary cohorts of students:
First, graduate students in the biological, physical, and earth/
environmental sciences who foresee a career in a science-oriented
private company or governmental entity, and, anticipating the need as
they progress in their careers, wish to add these skills to their portfolios;
and second, science professionals who already possess graduate
degrees in their field and need to attain these professional skills, but
neither desire nor need another graduate degree yet wish to have the
recognition that a graduate certificate from KU provides.

Graduate Admission

Individuals who are not already enrolled as KU graduate students must
complete an application to Graduate Studies (http://graduate.ku.edu/
application-process) for admission into the certificate program and
submit an application fee along with the following materials:

- A Statement of Interest in the Science Manager certificate
  program. This 1-2 page narrative should summarize your education,
  employment history, your long-term career goals, and how this
  certificate will help you achieve these goals.
- Official undergraduate transcript.
- A letter of recommendation from someone familiar with your
  academic work or qualified to offer judgment on your ability to
  undertake graduate-level work (former professor or instructor,
  workplace supervisor).

Current KU graduate students wishing to enroll in the Graduate Certificate
in Science Management program will apply through the Office of
Graduate Studies. A student must be in good standing with their graduate
degree program in order to participate in the certificate program. A
graduate GPA of 3.0 or higher is required for admission. Awarding of
certificates will be handled consistent with guidelines and timing of
degree awards of the Office of Graduate Studies. Completion of the
certificate will appear on the graduate transcript. KU graduate students
should submit the following materials:

- A Statement of Interest in the Science Manager certificate
  program and its relationship to your graduate course of study.
- An unofficial copy of your KU transcript.
- A letter of support from your graduate degree program (your advisor
  or graduate director).

Completion of all six courses in the proposed curriculum with a grade of
"B" or better in each of the six courses:

On January 15th, 2015, the KU-Edwards campus convened over 25
scientists, managers, executives, and human resources specialist from
regional science-oriented companies and agencies in a Science Manager
Curriculum Development Workshop. At this workshop, the general
objectives of and needs were presented to the group, and facilitated
small-group discussions were used to elicit from the participants the
ideal skillset for a scientist-manager and the curriculum for a science
manager program. Based on discussions with managers and scientist
at companies and agencies, focus groups, and surveys, we have crafted
a 12-credit-hour, 6-course curriculum designed to address the need for
professional skills by science professionals.

12 credit hours:

EVRN 771: Project Management for Science Managers (2.0)
EVRN 772: Organizational Management for Science Managers (2.0)
EVRN 773: Management of People in Science Organizations (2.0)
EVRN 774: Financial Management in Science Organizations (2.0)
EVRN 775: Organizational Communication for Science Managers (2.0)
EVRN 776: Law, Ethics, and Intellectual Property for Science Managers (2.0)