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)