PROFESS SCI MASTERS PROGRAMS (PSM)

PSM 587 TOPICS IN APPLIED AND PROFESSIONAL MATHEMATICS AND SCIENCE
1-3, 1/0
In-depth examination of topics related to the managerial applications of math and science in the real world; offered occasionally.

PSM 601 PROJECT MANAGEMENT FOR MATH AND SCIENCE PROFESSIONALS
3, 3/0
Prerequisites: Graduate standing. Current practices in project management as applied to math and science projects. Hands-on experience with the skills, tools, and techniques required in different phases of a project's life cycle, including project selection, project planning, project staffing and organization, task scheduling, project scope management, budgeting and progress reporting, risk management, quality management, project communications, and use of appropriate project management software tools. Techniques for communicating and motivating teams throughout the project life cycle. Emphasis on team building and practicing project management techniques through the use of science-based cases.

PSM 602 COMMUNICATION STRATEGIES FOR MATH AND SCIENCE PROFESSIONALS
3, 3/0
Prerequisites: Graduate-level standing. Intend to develop strategic thinking about communication of quantitative information and improve writing, presentation, and interpersonal communication skills for mathematicians and scientists in a variety of settings (i.e. industrial, managerial, academic, research). Includes a review of “best practices” or guidelines that have been derived from both research and experience. Students will put those guidelines into practice, using a workshop format that will rely heavily on discussion and in-class exercises.

PSM 603 TOPICS IN PROFESSIONAL MATH AND SCIENCE
3, 3/0
Prerequisites: Graduate standing. Examination of topics in business and management to develop strategic thinking about quantitative information and aid in improving business and leadership skills for mathematicians and scientists within a variety of settings (i.e. industrial, managerial, academic, research).