Online Master of Science in Engineering

This program is designed to enable engineers to advance their professional education and enhance their value to their employers. Delivered over the Internet with state-of-the-art technology, it gives engineers the opportunity to learn a specialization in depth and to renew and update their knowledge of technological advances.

Materials at the Nanoscale
In addition to course work on engineering management, systems, innovation and strategy, and working in a global environment, this program will focus on a broad range of nanoscale processes and applications through courses from UCR’s interdisciplinary Materials Science and Engineering program. Taught by faculty who are leaders in their fields, these courses will provide access to cutting-edge research in the design, synthesis and processing of nanostructured materials used in a wide range of applications.

Courses Required
- ENGR 200: Engineering in the Global Environment
- ENGR 201: Technology Innovation and Strategy for Engineers
- ENGR 202: Introduction to Systems Engineering
- ENGR 203: Principles of Engineering Management
- MSE 210: Crystal Structure and Bonding
- MSE 248: Nanoscale Science and Engineering
- MSE 218: Imperfections in Solids
- MSE 238: Introduction to Microelectromechanical Systems
- ENGR 296A: Design Project (includes a literature review and a report)

Benefits of the MSOL program
- Study when and where it’s convenient for you
- Delivered completely online
- Exams given at convenient regional locations
- Degrees in fields with high demand in industry and academia

About the Bourns College of Engineering
U.S. News & World Report ranks BCOE in the top two among public colleges of engineering of similar size. With nearly 3,000 students in its highly ranked B.S., M.S., and Ph.D. programs, BCOE students are the most sought-after and highly paid graduates at UC Riverside.

Additional Specializations
The MSOL program also offers specializations in Bioengineering and Environmental Engineering Systems (Water).

For more information or to apply:
- E-mail: msol@engr.ucr.edu
- Tel: (951) 827-5196
- Website: www.msol.ucr.edu